

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 195	Date of Summary: 20-SEP-2000	First Sample Examined: 6940
Lease Number: G20831	Source of Paleo: OPERATOR	Borehole MD: 10853
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10000
API Well Number: 608054001400	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6940 - 10853	Water Depth: 5256
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6940 / 6940	DEF AT first sample examined	DEF AT 5
7870 / 7864	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
8140 / 8123	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8290 / 8264	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8620 / 8558	DEF AT - - - - -	DEF AT 5
10030 / 9447	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10060 / 9467	DEF AT - - - - -	DEF IN 5
10210 / 9565	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10360 / 9666	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10540 / 9788	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
10690 / 9889	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10853 / 9999	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 195	Date of Summary: 20-SEP-2000	First Sample Examined: 6940
Lease Number: G20831	Source of Paleo: OPERATOR	Borehole MD: 10853
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10000
API Well Number: 608054001400	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6940 - 10853	Water Depth: 5256
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6940 / 6940	DEF AT first sample examined	DEF AT
6941 / 6941	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7510 / 7510	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7960 / 7950	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8110 / 8094	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8170 / 8151	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8500 / 8455	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9940 / 9391	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10000 / 9428	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10120 / 9505	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
10150 / 9525	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
10240 / 9585	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
10270 / 9606	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
10360 / 9666	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
10450 / 9727	DEF AT Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
10540 / 9788	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10630 / 9849	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
10853 / 9999	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 529	Date of Summary: 22-FEB-2007	First Sample Examined: 5490
Lease Number: G27691	Source of Paleo: OPERATOR	Borehole MD: 6488
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6488
API Well Number: 608054003500	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5490 - 6480	Water Depth: 4002
Public Info Code: Y 21-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5490 / 5490	DEF AT first sample examined	DEF IN 5
5491 / 5491	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
5492 / 5492	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
5520 / 5520	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
5550 / 5550	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
5669 / 5669	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
5670 / 5670	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
5700 / 5700	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 5
5729 / 5729	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF IN 5
5730 / 5730	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5790 / 5790	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
5819 / 5819	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
5820 / 5820	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 5
5940 / 5940	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
5970 / 5970	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 5
6030 / 6030	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 5
6090 / 6090	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
6150 / 6150	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
6180 / 6180	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
6300 / 6300	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
6360 / 6360	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 5
6390 / 6390	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 529	Date of Summary: 22-FEB-2007	First Sample Examined: 5490
Lease Number: G27691	Source of Paleo: OPERATOR	Borehole MD: 6488
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6488
API Well Number: 608054003500	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5490 - 6480	Water Depth: 4002
Public Info Code: Y 21-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 6450	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 5
6480 / 6480	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 627	Date of Summary: 31-MAR-2000	First Sample Examined: 7000
Lease Number: G20852	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10500
API Well Number: 608054000600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7000 - 10500	Water Depth: 5211
Public Info Code: Y 30-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7000 / 7000	DEF AT first sample examined	DEF AT 5
7390 / 7390	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
7630 / 7630	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
7810 / 7810	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7900 / 7900	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7990 / 7990	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
8020 / 8020	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8320 / 8320	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8410 / 8410	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
8440 / 8440	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8560 / 8560	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9130 / 9130	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
9220 / 9220	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
9250 / 9250	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
9340 / 9340	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
9430 / 9430	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
9550 / 9550	DEF AT - - - - -	DEF IN 5
9730 / 9730	DEF AT - - - - -	DEF AT 5
10030 / 10030	DEF AT - - - - -	DEF IN 5
10360 / 10360	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
10480 / 10480	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 5
10500 / 10500	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 627	Date of Summary: 31-MAR-2000	First Sample Examined: 7000
Lease Number: G20852	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10500
API Well Number: 608054000600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7000 - 10500	Water Depth: 5211
Public Info Code: Y 30-NOV-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7000 / 7000	DEF AT first sample examined	DEF AT
7001 / 7001	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7390 / 7390	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7600 / 7600	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7810 / 7810	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7870 / 7870	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7960 / 7960	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7990 / 7990	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8020 / 8020	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8080 / 8080	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8110 / 8110	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8260 / 8260	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8320 / 8320	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8350 / 8350	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8440 / 8440	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8500 / 8500	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
8530 / 8530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8800 / 8800	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8801 / 8801	DEF AT Upper Miocene (Tortonian) Catinaaster mexicanus	DEF AT
8802 / 8802	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8890 / 8890	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8980 / 8980	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

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Area Block: AC 627	Date of Summary: 31-MAR-2000	First Sample Examined: 7000
Lease Number: G20852	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10500
API Well Number: 608054000600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7000 - 10500	Water Depth: 5211
Public Info Code: Y 30-NOV-2008	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
9070 / 9070	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9071 / 9071	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
9130 / 9130	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
9220 / 9220	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
9221 / 9221	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
9250 / 9250	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
9280 / 9280	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
9340 / 9340	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
9370 / 9370	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
9430 / 9430	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
9431 / 9431	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
9910 / 9910	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
10060 / 10060	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
10330 / 10330	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
10360 / 10360	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
10480 / 10480	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
10500 / 10500	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 731	Date of Summary: 25-SEP-2007	First Sample Examined: 11785
Lease Number: G19386	Source of Paleo: OPERATOR	Borehole MD: 16844
Well Name: AC001	Paleo Done By: OPERATOR	Borehole TVD: 15744
API Well Number: 608054003600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11785 - 15150	Water Depth: 8694
Public Info Code: Y 15-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: North Bront Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11785 / 11784	DEF AT first sample examined	DEF IN 5
11786 / 11785	DEF IN condensed section	DEF IN 5
11787 / 11786	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
11788 / 11787	DEF IN Upper Miocene (Tortonian) Discoaster bellus	DEF IN 5
11850 / 11849	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
11880 / 11879	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
11909 / 11908	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
11910 / 11909	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
11937 / 11936	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF IN 5
11938 / 11937	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
11939 / 11938	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
11940 / 11939	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
11969 / 11968	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
11970 / 11969	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
11999 / 11998	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF IN 5
12000 / 11999	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
12028 / 12027	DEF AT unconformity	DEF IN 5
12029 / 12028	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
12030 / 12029	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
12085 / 12084	DEF IN Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 5
12119 / 12118	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF IN 5
12120 / 12119	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5

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Start Date: 01-JAN-2008
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Area Block: AC 731	Date of Summary: 25-SEP-2007	First Sample Examined: 11785
Lease Number: G19386	Source of Paleo: OPERATOR	Borehole MD: 16844
Well Name: AC001	Paleo Done By: OPERATOR	Borehole TVD: 15744
API Well Number: 608054003600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11785 - 15150	Water Depth: 8694
Public Info Code: Y 15-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12160 / 12159	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 5
12210 / 12209	DEF AT - - - - -	DEF IN 4
12240 / 12239	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 4
12270 / 12269	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF IN 4
12298 / 12297	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF IN 4
12299 / 12298	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF IN 4
12300 / 12299	DEF AT Middle Eocene (Lutetian) Neococcolithes dubius	DEF IN 4
12359 / 12357	DEF AT Upper Oligocene	DEF IN 4
12360 / 12358	DEF AT local marker floral decrease	DEF IN 4
12540 / 12538	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 4
12570 / 12568	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN 4
13619 / 13516	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF IN 4
13620 / 13517	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF IN 4
13800 / 13649	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF IN 4
14460 / 14105	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 4
15150 / 14578	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF IN 4
15420 / 14764	DEF AT Bathysiphon fauna	DEF IN 4
15960 / 15136	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT 4
16020 / 15177	POS AT Lower Paleocene (Danian) Markalius inversus astroporus	DEF IN 4
16844 / 15745	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 818	Date of Summary: 19-JAN-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 10350 - 15060	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Tiger Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
10350 / 10350	DEF AT first sample examined	DEF AT
10351 / 10351	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
10360 / 10360	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10380 / 10380	DEF AT floral flood	DEF AT
10440 / 10440	DEF AT reworked material	DEF AT
10470 / 10470	DEF AT local marker floral decrease	DEF AT
10530 / 10530	DEF AT floral flood	DEF AT
10538 / 10538	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
10560 / 10560	DEF IN Lower Oligocene Rupelian Stage	DEF AT
10590 / 10590	DEF AT reworked material	DEF AT
10609 / 10609	DEF AT local marker floral decrease	DEF AT
10650 / 10650	DEF AT floral flood	DEF AT
11100 / 11100	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
11580 / 11579	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11790 / 11787	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
11850 / 11846	DEF IN Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
12180 / 12175	DEF AT local marker floral decrease	DEF AT
12210 / 12205	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
12240 / 12234	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
12359 / 12353	DEF AT local marker floral decrease	DEF AT
12360 / 12354	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
12390 / 12384	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT

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Area Block: AC 818	Date of Summary: 19-JAN-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 3	Sample Range: 10350 - 15060	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12540 / 12533	DEF AT local marker floral decrease	DEF AT
12630 / 12623	DEF AT Lower Eocene (Ypresian) Tribrachiatulus orthostylus	DEF AT
12720 / 12712	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
12770 / 12762	DEF AT local marker floral decrease	DEF AT
12800 / 12792	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
12859 / 12850	DEF AT Upper Paleocene (Thanetian) Ellipsolithus distichus	DEF AT
12860 / 12851	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
12990 / 12980	DEF AT local marker floral decrease	DEF AT
13770 / 13756	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
13830 / 13816	DEF AT local marker floral decrease	DEF AT
14130 / 14115	POS AT local marker floral increase	DEF AT
14190 / 14175	DEF AT local marker floral decrease	DEF AT
14580 / 14563	POS AT local marker floral increase	DEF AT
14610 / 14593	DEF AT local marker floral decrease	DEF AT
14730 / 14713	POS AT local marker floral increase	DEF AT
14760 / 14742	DEF AT local marker floral decrease	DEF AT
15030 / 15012	POS AT local marker floral increase	DEF AT
15060 / 15042	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 818	Date of Summary: 01-FEB-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 10350 - 15120	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Tiger Prospect

MD / TVD	Paleo Top Description	Ecozone
10350 / 10350	DEF AT first sample examined	DEF AT 5
10351 / 10351	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10379 / 10379	DEF AT foram flood	DEF IN 5
10380 / 10380	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
10409 / 10409	DEF AT foram flood	DEF IN 5
10410 / 10410	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
10469 / 10469	DEF AT glauconite	DEF AT 5
10470 / 10470	DEF AT local marker foram decrease	DEF AT 5
10530 / 10530	DEF AT local marker foram increase	DEF AT 4
10560 / 10560	DEF AT reworked material	DEF AT 4
10620 / 10620	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10650 / 10650	DEF AT local marker planktic foram increase	DEF AT 5
10680 / 10680	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
10710 / 10710	DEF AT local marker foram decrease	DEF AT 5
10770 / 10770	POS AT volcanics	DEF AT 5
10800 / 10800	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
10889 / 10889	DEF AT pyrite	DEF AT 4
10890 / 10890	DEF IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 4
10920 / 10920	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 4
11130 / 11130	DEF AT limestone	DEF AT 4
11160 / 11160	DEF AT local marker benthic foram increase	DEF AT 4
11190 / 11190	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 818	Date of Summary: 01-FEB-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 10350 - 15120	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description		Ecozone		
11280 / 11280	POS	AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF	AT	4
11580 / 11579	DEF	AT local marker planktic foram increase	DEF	AT	4
11610 / 11609	DEF	AT local marker foram decrease	DEF	AT	4
11670 / 11668	DEF	IN reworked material	DEF	AT	4
11760 / 11757	DEF	AT transported shelf fauna	DEF	AT	4
11790 / 11787	DEF	AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF	AT	4
11939 / 11935	DEF	AT pyrite	DEF	AT	4
11940 / 11936	DEF	IN Upper Eocene (Priabonian) Hantkenina alabamensis	DEF	AT	4
11969 / 11965	DEF	AT radiolarians	DEF	AT	4
11970 / 11966	DEF	AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF	AT	4
11999 / 11995	DEF	AT radiolarians	DEF	AT	5
12000 / 11996	POS	IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF	AT	5
12090 / 12085	DEF	AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF	AT	5
12119 / 12114	DEF	AT pyrite	DEF	AT	5
12120 / 12115	DEF	AT radiolarians	DEF	AT	5
12180 / 12175	DEF	AT local white Arenaceous fauna	DEF	AT	5
12239 / 12233	DEF	IN Middle Eocene (Bartonian) Morozovella lehneri	DEF	AT	5
12240 / 12234	DEF	AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF	AT	5
12241 / 12235	DEF	IN Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF	AT	5
12300 / 12294	DEF	AT radiolarians	DEF	AT	6
12360 / 12354	DEF	AT - - - -	DEF	IN	6
12420 / 12414	POS	AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF	IN	6
12510 / 12503	DEF	IN radiolarians	DEF	IN	6
12629 / 12622	DEF	IN radiolarians	DEF	IN	6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 818	Date of Summary: 01-FEB-2004	First Sample Examined: 10350
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 3	Sample Range: 10350 - 15120	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12630 / 12623	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF IN 6
12690 / 12682	DEF AT local marker foram decrease	DEF AT 5
12770 / 12762	DEF AT Bathysiphon fauna	DEF AT 5
12860 / 12851	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT 4
12890 / 12881	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT 4
13020 / 13010	DEF AT pyrite	DEF AT 4
13140 / 13129	POS AT Arenaceous fauna (local marker)	DEF AT 4
13170 / 13159	POS AT radiolarians	DEF AT 4
13260 / 13249	DEF AT local white Arenaceous fauna	DEF AT 4
13320 / 13309	DEF AT radiolarians	DEF AT 4
13530 / 13517	DEF AT local white Arenaceous fauna	DEF AT 4
13590 / 13577	DEF AT local marker foram decrease	DEF AT 4
13769 / 13755	POS IN Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT 4
13770 / 13756	DEF AT Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
13800 / 13786	DEF IN Upper Paleocene (Thanetian) Planorotalites pusilla pusilla	DEF AT 4
13830 / 13816	DEF AT local marker foram decrease	DEF AT 4
13890 / 13876	DEF AT radiolarians	DEF AT 4
14070 / 14055	DEF AT local marker foram decrease	DEF AT 4
14580 / 14563	POS AT local marker planktic foram increase	DEF AT 4
14610 / 14593	DEF AT local marker foram decrease	DEF AT 4
15120 / 15101	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 818	Date of Summary: 01-OCT-2004	First Sample Examined: 12690
Lease Number: G20863	Source of Paleo: OPERATOR	Borehole MD: 15231
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15212
API Well Number: 608054002500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 3	Sample Range: 12690 - 15120	Water Depth: 9004
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Tiger Prospect, palynologic report, palynomorph (terrestrial spores and pollen, marine dinoflagellates) species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12690 / 12682	DEF AT first sample examined	DEF AT
12691 / 12683	DEF IN Lower (Early) Eocene	DEF AT
12692 / 12684	POS IN Lower Eocene (Ypresian) Intratriporopollenites 1 (pollen)	DEF AT
12930 / 12921	DEF AT Upper (Late) Paleocene	DEF AT
15120 / 15101	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 903	Date of Summary: 17-SEP-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 12560 - 20500	Water Depth: 9743
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Trident Prospect, paleo done by Robert Fleisher, 20180=Upper Cretaceous indicated by Inoceramus prism fragments, except for a narrow stratigraphic interval within the Lower Eocene, most of the well contains very few age-diagnostic microfossils and no well-developed faunas, planktic forams are generally scarce below the Lower Oligocene, samples are consistently very sandy below 15110 feet, below 15400 feet diagnostic foram faunas disappear, no Cretaceous planktic forams observed, but a few inoceramid fragments date the samples to probable Upper Cretaceous, within the Abathomphalus mayaroensis zone or somewhat older, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12560 / 12560	DEF AT first sample examined	DEF AT
12561 / 12561	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
12590 / 12590	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
12800 / 12799	DEF IN Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
12860 / 12859	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT
12980 / 12979	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT
13430 / 13429	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT
13640 / 13639	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF AT
14150 / 14149	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT
14360 / 14359	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT
14457 / 14456	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT
14840 / 14839	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT
14900 / 14899	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT
15020 / 15019	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT
15140 / 15139	POS AT Lower Eocene (Ypresian) Morozovella formosa formosa	DEF AT
17060 / 17058	POS AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
18320 / 18316	DEF AT faunal change (no faunal increase)	DEF IN 4
18830 / 18825	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF IN 4
18920 / 18915	DEF IN Paleocene	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 903	Date of Summary: 17-SEP-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 12560 - 20500	Water Depth: 9743
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: N	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20000 / 19993	DEF AT Lower Paleocene (Danian) Globorotalia trinidadensis	POS AT 4
20029 / 20022	POS IN Lower Paleocene Danian Stage	POS AT 4
20030 / 20023	POS IN Upper Cretaceous (Maastrichtian) Abathomphalus mayaroensis	POS AT 4
20180 / 20172	DEF AT shell fragments	DEF AT 4
20500 / 20492	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 903	Date of Summary: 08-OCT-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 12560 - 20500	Water Depth: 9743
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Trident Prospect, company-integrated foram and nanno report, forams by Robert Fleisher, nannos by Bugware (Covington), 18890=in Upper Paleocene Subbotina triloculinoides, 19040=base of Late Paleocene Fasciculithus sp, 20000=rare Lower Paleocene Subbotina trivialis, 20490=in Lower Paleocene Subbotina trivialis, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12560 / 12560	DEF AT first sample examined	DEF AT
12580 / 12580	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
12920 / 12919	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
13040 / 13039	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
13100 / 13099	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
13220 / 13219	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
13580 / 13579	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
14120 / 14119	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14121 / 14120	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
14570 / 14569	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
14660 / 14659	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
15025 / 15024	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
15035 / 15034	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
15050 / 15049	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT
15140 / 15139	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
16940 / 16938	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
18890 / 18885	DEF IN Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF AT
19040 / 19035	DEF AT local marker floral increase	DEF AT
20000 / 19993	POS AT Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT
20490 / 20482	DEF IN Lower Paleocene (Danian) Globorotalia trinidadensis	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 903	Date of Summary: 08-OCT-2001	First Sample Examined: 12560
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20492
API Well Number: 608054001500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 12560 - 20500	Water Depth: 9743
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20500 / 20492	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 903	Date of Summary: 01-FEB-2002	First Sample Examined: 12665
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 19904
API Well Number: 608054001700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 12665 - 20490	Water Depth: 9727
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Trident Prospect, calcareous nannofossil report, 15240=Middle Eocene Rhabdosphaera gladius, 16170=Upper Paleocene base of Helicosphaera
bramlettei, 18300=Upper Paleocene Discoaster mohleri, 19320=co-occurrence of multiple Fasciculithus spp

MD / TVD	Paleo Top Description	Ecozone
12665 / 12653	DEF AT first sample examined	DEF AT
12666 / 12654	DEF IN Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
12780 / 12767	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
13640 / 13623	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
13830 / 13813	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
14220 / 14202	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
14430 / 14412	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
14460 / 14442	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
14880 / 14862	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
15210 / 15192	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
15240 / 15222	POS AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
15420 / 15402	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
15450 / 15432	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
15510 / 15492	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
16170 / 16152	DEF AT Upper (Late) Paleocene	DEF AT
16770 / 16751	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
19320 / 19112	POS IN Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
20490 / 19898	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 903	Date of Summary: 12-FEB-2002	First Sample Examined: 12665
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 19904
API Well Number: 608054001700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 12665 - 20500	Water Depth: 9727
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Trident Prospect, 14790=Upper Eocene (probably zone P16) Globigerinatheka howei and Globigerinatheka tropicalis, 14850=Upper Eocene Globigerinatheka semiinvoluta (zone P15), 14880=Upper Eocene Globigerinatheka mexicana (zone P15), 15180=Middle Eocene (zone P12) Gumbelitrioides higginsi, 15360=Middle Eocene (zone P11) Globorotalia praecentralis, 15450=Middle Eocene (zone P10) Acarinina pseudotopilensis, 18360=Paleocene (zoneS P2 TO P5) Subbotina triangularis, 18795=Paleocene (zoneS P1 TO basal P4) Subbotina triloculinoides?

MD / TVD	Paleo Top Description	Ecozone
12665 / 12653	DEF AT first sample examined	DEF AT 6
12666 / 12654	DEF IN Oligocene	DEF AT 6
12690 / 12678	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
13500 / 13484	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 6
14040 / 14022	DEF AT local marker foram decrease	DEF AT 6
14730 / 14712	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
14790 / 14772	DEF IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
14850 / 14832	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
14880 / 14862	DEF AT local marker planktic foram increase	DEF AT 6
15060 / 15042	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
15180 / 15162	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 6
15270 / 15252	DEF AT faunal change (no faunal increase)	DEF IN 5
15300 / 15282	DEF IN local marker planktic foram increase	DEF IN 5
15390 / 15372	DEF AT local marker foram decrease	DEF IN 5
15450 / 15432	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF IN 5
15660 / 15642	DEF AT local marker foram decrease	DEF IN 5
15810 / 15792	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF IN 5
18360 / 18316	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	DEF IN 5
18795 / 18704	POS AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 903	Date of Summary: 12-FEB-2002	First Sample Examined: 12665
Lease Number: G20876	Source of Paleo: OPERATOR	Borehole MD: 20500
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 19904
API Well Number: 608054001700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 12665 - 20500	Water Depth: 9727
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19560 / 19280	DEF AT faunal change (no faunal increase)	POS IN 5
20500 / 19904	DEF AT last sample examined	POS IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 947	Date of Summary: 15-JAN-2003	First Sample Examined: 13175
Lease Number: G20882	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19693
API Well Number: 608054002100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 13175 - 15150	Water Depth: 9672
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Trident Prospect, calcareous nannofossil report, 13530=base of Sphenolithus distentus s l, 13650=IPS nanno matrix event, 14040=base of Ismolithus recurvus, 14430=significant downhole increase in Pemma spp, 14490=base of Discoaster tani 5-ray and base of Sphenolithus predistentus

MD / TVD	Paleo Top Description	Ecozone
13175 / 13172	DEF AT first sample examined	DEF AT
13176 / 13173	DEF IN Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
13290 / 13287	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
13530 / 13527	DEF AT local marker floral increase	DEF AT
13650 / 13647	DEF AT local marker floral increase	DEF AT
13710 / 13707	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
13830 / 13827	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
13890 / 13887	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
13891 / 13888	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
14040 / 14036	DEF AT local marker floral increase	DEF AT
14190 / 14186	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
14280 / 14276	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT
14430 / 14426	DEF AT local marker floral increase	DEF AT
14490 / 14486	DEF AT local marker floral increase	DEF AT
14520 / 14516	DEF AT local marker floral decrease	DEF AT
14610 / 14606	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
14850 / 14846	DEF AT local marker floral decrease	DEF AT
14940 / 14936	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
15000 / 14996	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
15090 / 15086	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
15149 / 15145	DEF AT local marker floral decrease	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AC 947	Date of Summary: 15-JAN-2003	First Sample Examined: 13175
Lease Number: G20882	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19693
API Well Number: 608054002100	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 13175 - 15150	Water Depth: 9672
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15150 / 15146	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 7	Date of Summary: 04-JUN-2003	First Sample Examined: 5530
Lease Number: G21229	Source of Paleo: OPERATOR	Borehole MD: 14636
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13965
API Well Number: 608184004000	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5530 - 14620	Water Depth: 3052
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5530 / 5530	DEF AT first sample examined	DEF AT 5
5560 / 5560	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
5710 / 5710	DEF AT - - - - -	DEF IN 5
5800 / 5800	DEF AT - - - - -	DEF AT 5
7810 / 7667	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10060 / 9692	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10210 / 9826	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12490 / 11872	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12730 / 12094	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
12820 / 12178	DEF AT Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 5
13960 / 13289	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14230 / 13559	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14500 / 13829	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
14620 / 13949	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 7	Date of Summary: 04-JUN-2003	First Sample Examined: 5530
Lease Number: G21229	Source of Paleo: OPERATOR	Borehole MD: 14636
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13965
API Well Number: 608184004000	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5530 - 14620	Water Depth: 3052
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5530 / 5530	DEF AT first sample examined	DEF AT
7840 / 7694	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10060 / 9692	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10270 / 9880	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10870 / 10419	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11950 / 11385	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12520 / 11899	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
12820 / 12178	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13870 / 13199	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14170 / 13499	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14440 / 13769	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14530 / 13859	DEF IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14620 / 13949	DEF AT last sample examined	DEF AT

Start Date: 01-JAN-2008

End Date: 02-FEB-2011

Paleo for Public Release (Date Specific)

Area Block: AT 7	Date of Summary: 25-JUN-2003	First Sample Examined: 11200
Lease Number: G21229	Source of Paleo: OPERATOR	Borehole MD: 14411
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12597
API Well Number: 608184004003	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 11200 - 14410	Water Depth: 3052
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Sidetrack 1 bypass 1 report, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11200 / 10714	DEF AT first sample examined	DEF AT 5
12730 / 11766	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14230 / 12510	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14290 / 12539	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14410 / 12597	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 7	Date of Summary: 25-JUN-2003	First Sample Examined: 11200
Lease Number: G21229	Source of Paleo: OPERATOR	Borehole MD: 14411
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12597
API Well Number: 608184004003	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 11200 - 14410	Water Depth: 3052
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report for sidetrack 1 bypass 1, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11200 / 10714	DEF AT first sample examined	DEF AT
12040 / 11389	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12700 / 11751	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
13270 / 12038	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13299 / 12053	POS AT reworked material	DEF AT
13300 / 12053	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13900 / 12348	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14170 / 12481	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14200 / 12495	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14290 / 12539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14320 / 12553	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14410 / 12597	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 22-MAR-2000	First Sample Examined: 7020
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 18898
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18800
API Well Number: 608184001300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7020 - 18840	Water Depth: 4385
Public Info Code: Y 13-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Champlain Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7020 / 7020	DEF AT first sample examined	DEF AT
7080 / 7080	DEF AT floral flood	DEF AT
7620 / 7620	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8580 / 8579	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8880 / 8879	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9060 / 9059	DEF AT floral flood	DEF AT
9420 / 9419	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9540 / 9539	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "A"	DEF AT
9780 / 9779	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9960 / 9959	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10140 / 10139	DEF AT floral flood	DEF AT
10260 / 10259	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
10380 / 10379	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10500 / 10499	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
10620 / 10619	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10680 / 10679	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11100 / 11099	DEF AT drilling material	DEF AT
11400 / 11398	DEF AT salt	DEF AT
17800 / 17767	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18840 / 18748	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 27-MAR-2000	First Sample Examined: 7020
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 18898
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18800
API Well Number: 608184001300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 18840	Water Depth: 4385
Public Info Code: Y 13-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Champlain Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7020 / 7020	DEF AT first sample examined	DEF IN 3
7050 / 7050	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 4
7200 / 7200	DEF AT Illinoian fauna (local marker)	DEF IN 4
7201 / 7201	DEF AT local marker foram decrease	DEF IN 4
7230 / 7230	DEF AT local marker (general)	DEF IN 4
7320 / 7320	DEF AT faunal change (no faunal increase)	DEF AT 4
7590 / 7590	DEF AT local marker planktic foram increase	DEF IN 4
7680 / 7680	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF IN 5
7740 / 7740	DEF AT foram flood	DEF IN 5
7770 / 7770	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
7800 / 7800	DEF AT - - - - -	DEF AT 5
7890 / 7890	DEF AT local marker foram decrease	DEF AT 4
7980 / 7980	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
8010 / 8010	DEF AT local marker foram increase	DEF AT 4
8040 / 8040	DEF AT pyrite	DEF AT 4
8160 / 8160	DEF AT local marker foram increase	DEF AT 4
8490 / 8489	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
8519 / 8518	DEF AT foram flood	DEF IN 4
8520 / 8519	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
8550 / 8549	DEF AT faunal change (no faunal increase)	DEF AT 4
8580 / 8579	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
8670 / 8669	DEF AT local marker benthic foram increase	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 27-MAR-2000	First Sample Examined: 7020
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 18898
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18800
API Well Number: 608184001300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 18840	Water Depth: 4385
Public Info Code: Y 13-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
8790 / 8789	DEF AT local marker foram decrease	DEF AT 4
8820 / 8819	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 4
9029 / 9028	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9030 / 9029	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
9057 / 9056	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9058 / 9057	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9059 / 9058	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9060 / 9059	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
9090 / 9089	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9119 / 9118	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
9120 / 9119	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 4
9150 / 9149	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
9240 / 9239	DEF AT sand	DEF AT 4
9270 / 9269	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
9480 / 9479	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
9508 / 9507	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
9509 / 9508	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
9510 / 9509	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
9540 / 9539	DEF AT local marker foram decrease	DEF AT 4
9630 / 9629	DEF AT foram flood	DEF AT 4
9660 / 9659	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
9748 / 9747	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
9749 / 9748	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 4
9750 / 9749	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 27-MAR-2000	First Sample Examined: 7020
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 18898
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18800
API Well Number: 608184001300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 18840	Water Depth: 4385
Public Info Code: Y 13-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9779 / 9778	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
9780 / 9779	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
9930 / 9929	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
10050 / 10049	DEF AT faunal change (no faunal increase)	DEF AT 4
10200 / 10199	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
10259 / 10258	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
10260 / 10259	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 4
10320 / 10319	DEF AT pyrite	DEF IN 4
10350 / 10349	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
10410 / 10409	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
10440 / 10439	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF IN 4
10498 / 10497	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 4
10499 / 10498	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 4
10500 / 10499	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
10649 / 10648	POS IN out-of-place section	DEF IN 3
10650 / 10649	POS IN Lower Eocene (Ypresian) Morozovella rex / subbotinae	POS IN 3
10680 / 10679	DEF AT faunal change (no faunal increase)	DEF IN 3
10709 / 10708	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
10710 / 10709	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
10800 / 10799	DEF AT salt	POS IN 3
17650 / 17622	POS AT base of salt	DEF AT 5
17800 / 17767	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	POS AT 5
17850 / 17815	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
17880 / 17844	DEF AT local marker foram increase	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 27-MAR-2000	First Sample Examined: 7020
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 18898
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18800
API Well Number: 608184001300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 18840	Water Depth: 4385
Public Info Code: Y 13-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18000 / 17960	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 3
18120 / 18075	DEF AT reworked material	DEF IN 3
18150 / 18103	DEF AT local marker benthic foram increase	DEF AT 3
18330 / 18274	DEF AT faunal change (no faunal increase)	DEF IN 3
18360 / 18303	DEF AT local white Arenaceous fauna	DEF IN 3
18450 / 18387	POS AT salt weld	DEF IN 3
18540 / 18471	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
18810 / 18720	DEF AT faunal change (no faunal increase)	DEF AT 3
18840 / 18748	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 22-MAR-2000	First Sample Examined: 18870
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23540
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22708
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 18870 - 23540	Water Depth: 4385
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Champlain Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18870 / 18780	DEF AT first sample examined	DEF IN 3
18871 / 18781	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
18990 / 18890	DEF AT reworked material	DEF IN 3
19320 / 19184	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
19350 / 19210	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 3
19560 / 19393	DEF AT Arenaceous fauna (local marker)	DEF IN 3
20100 / 19848	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
20250 / 19975	DEF AT local marker foram increase	DEF IN 3
20640 / 20304	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
20760 / 20405	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
20820 / 20455	DEF AT pyrite	DEF AT 4
20970 / 20581	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
21090 / 20681	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21450 / 20983	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21480 / 21008	POS AT local marker deep water fauna	DEF AT 4
21570 / 21084	DEF AT faunal change (no faunal increase)	DEF IN 3
21780 / 21260	DEF AT Arenaceous fauna (local marker)	DEF IN 3
21870 / 21335	DEF AT local marker foram increase	DEF AT 4
21990 / 21436	DEF AT cement	DEF AT 4
22260 / 21662	POS AT transported shelf fauna	DEF AT 4
22440 / 21811	DEF AT local marker foram increase	DEF AT 4
22500 / 21861	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 22-MAR-2000	First Sample Examined: 18870
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23540
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22708
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 18870 - 23540	Water Depth: 4385
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
22710 / 22034	POS AT salt weld	DEF AT 4
22740 / 22059	POS IN Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
22800 / 22108	POS AT out-of-place section	DEF AT 4
22830 / 22133	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF IN 4
22890 / 22182	POS AT Eggerella sp. (local marker)	DEF AT 3
22950 / 22231	DEF AT foram flood	DEF AT 4
23010 / 22280	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF IN 4
23100 / 22353	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 4
23160 / 22402	DEF AT reworked material	DEF AT 5
23190 / 22426	DEF AT limestone	DEF AT 5
23220 / 22450	DEF AT foram flood	DEF AT 5
23279 / 22498	DEF AT foram flood	DEF AT 5
23280 / 22499	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
23340 / 22547	DEF AT limestone	DEF AT 5
23460 / 22644	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
23490 / 22668	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
23540 / 22708	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 22-MAR-2000	First Sample Examined: 18870
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23540
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22708
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 18870 - 23540	Water Depth: 4385
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Champlain Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18870 / 18780	DEF AT first sample examined	DEF AT
18900 / 18808	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19560 / 19393	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
19740 / 19545	DEF AT local marker floral decrease	DEF AT
20640 / 20304	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20760 / 20405	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21000 / 20606	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21420 / 20958	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21600 / 21109	DEF AT local marker floral decrease	DEF AT
21960 / 21410	DEF AT reworked material	DEF AT
22078 / 21509	DEF AT floral flood	DEF AT
22079 / 21510	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22080 / 21511	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22260 / 21662	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22440 / 21811	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
22620 / 21960	DEF AT reworked material	DEF AT
22740 / 22059	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnoides	DEF AT
22800 / 22108	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT
23100 / 22353	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
23279 / 22498	DEF AT floral flood	DEF AT
23280 / 22499	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
23520 / 22692	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 22-MAR-2000	First Sample Examined: 18870
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23540
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22708
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 18870 - 23540	Water Depth: 4385
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23540 / 22708	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 06-MAY-2000	First Sample Examined: 17670
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23540
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22708
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 17670 - 20849	Water Depth: 4385
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS:	Paleo ID: 004

Remark: Champlain Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17670 / 17641	DEF AT first sample examined	DEF AT
17671 / 17642	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18030 / 17989	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18210 / 18161	DEF AT local marker floral increase	DEF AT
18690 / 18614	DEF AT local marker floral increase	DEF AT
19230 / 19104	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19590 / 19418	DEF AT local marker floral increase	DEF AT
19770 / 19571	DEF AT local marker floral decrease	DEF AT
20849 / 20479	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 17670
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23540
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22708
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 17670 - 20849	Water Depth: 4385
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 005

Remark: Champlain Prospect, 17670=rafted Upper Cretaceous with minor Eocene, 17730=rafted Upper Cretaceous with minor Miocene, 17820=normal section, 20760=oil-stained sand influx

MD / TVD	Paleo Top Description	Ecozone
17670 / 17641	DEF AT first sample examined	DEF IN 4
17671 / 17642	DEF AT out-of-place section	DEF IN 4
17730 / 17699	DEF AT out-of-place section	DEF AT 4
17820 / 17786	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF IN 4
17880 / 17844	DEF AT local marker foram decrease	DEF AT 4
17940 / 17902	DEF AT pyrite	DEF AT 4
17970 / 17931	DEF AT local marker foram decrease	DEF AT 4
18030 / 17989	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 4
18090 / 18046	DEF AT pyrite	DEF IN 4
18150 / 18103	DEF AT local marker foram decrease	DEF AT 4
18300 / 18247	DEF AT local marker foram increase	DEF IN 4
18390 / 18332	DEF AT local marker foram decrease	DEF AT 4
18510 / 18446	DEF AT faunal change (no faunal increase)	DEF IN 3
18540 / 18474	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 3
18570 / 18502	DEF AT Upper Miocene (Tortonian) Cibicides carstensi (increase)	DEF IN 3
18600 / 18530	DEF AT local white Arenaceous fauna	DEF IN 3
18630 / 18558	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
18660 / 18586	DEF AT pyrite	DEF IN 3
18690 / 18614	DEF AT sand	DEF AT 4
18720 / 18642	DEF AT local marker foram decrease	DEF IN 3
18750 / 18670	DEF AT - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 17670
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 23540
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22708
API Well Number: 608184001301	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 17670 - 20849	Water Depth: 4385
Public Info Code: Y 17-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 005

MD / TVD	Paleo Top Description	Ecozone
19110 / 18998	DEF AT local marker foram decrease	DEF IN 3
19230 / 19104	DEF AT local marker foram increase	DEF IN 4
19290 / 19158	DEF AT - - - - -	DEF AT 4
19350 / 19210	DEF AT local marker foram decrease	DEF IN 3
19560 / 19393	DEF AT - - - - -	DEF AT 4
19620 / 19444	DEF AT - - - - -	DEF IN 4
19650 / 19469	DEF AT sand	DEF AT 4
19680 / 19495	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19710 / 19520	DEF AT local marker foram decrease	DEF AT 4
19740 / 19545	DEF AT - - - - -	DEF IN 3
19920 / 19697	DEF AT local marker foram increase	DEF AT 4
19950 / 19722	DEF AT local marker foram decrease	DEF IN 3
20130 / 19874	DEF AT Arenaceous fauna (local marker)	DEF IN 3
20160 / 19899	DEF AT local marker foram increase	DEF IN 3
20220 / 19950	DEF AT - - - - -	DEF AT 4
20250 / 19975	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
20280 / 20001	DEF AT local marker foram decrease	DEF IN 3
20620 / 20287	DEF AT drilling material	DEF IN 3
20640 / 20304	DEF AT local marker foram increase	DEF AT 4
20670 / 20329	DEF AT local marker foram decrease	DEF IN 3
20730 / 20380	POS AT shell fragments	DEF IN 3
20849 / 20479	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 06-MAY-2000	First Sample Examined: 20850
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 24989
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24637
API Well Number: 608184001302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 20850 - 24988	Water Depth: 4385
Public Info Code: Y 03-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Champlain Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
20850 / 20834	DEF AT first sample examined	DEF AT
21210 / 21194	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
21270 / 21254	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21390 / 21374	DEF AT floral flood	DEF AT
21450 / 21434	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21600 / 21583	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21720 / 21702	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
22620 / 22558	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23760 / 23558	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
24480 / 24190	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
24600 / 24296	DEF AT reworked material	DEF AT
24988 / 24636	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 20850
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 24989
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24637
API Well Number: 608184001302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20850 - 24988	Water Depth: 4385
Public Info Code: Y 03-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Champlain Prospect

MD / TVD	Paleo Top Description	Ecozone
20850 / 20834	DEF AT first sample examined	DEF IN 3
21060 / 21044	DEF AT faunal change (no faunal increase)	DEF AT 4
21090 / 21074	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21120 / 21104	DEF AT sand	DEF IN 3
21210 / 21194	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 3
21600 / 21583	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21630 / 21612	DEF AT faunal change (no faunal increase)	DEF IN 4
21690 / 21672	DEF AT local marker foram increase	DEF IN 4
21710 / 21692	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
21750 / 21731	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
21840 / 21820	DEF AT Eggerella sp. (local marker)	DEF AT 4
22110 / 22083	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 4
22140 / 22111	DEF AT local marker foram decrease	DEF IN 4
22200 / 22169	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 4
22260 / 22226	DEF AT - - - - -	DEF AT 4
22290 / 22254	DEF AT local marker foram decrease	DEF AT 4
22350 / 22310	DEF AT - - - - -	DEF IN 3
22560 / 22504	DEF AT - - - - -	DEF AT 4
22650 / 22585	DEF AT - - - - -	DEF IN 3
22770 / 22691	DEF AT local marker foram decrease	DEF IN 3
23160 / 23033	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
23220 / 23086	DEF AT - - - - -	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 63	Date of Summary: 06-JUN-2000	First Sample Examined: 20850
Lease Number: G13198	Source of Paleo: OPERATOR	Borehole MD: 24989
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 24637
API Well Number: 608184001302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20850 - 24988	Water Depth: 4385
Public Info Code: Y 03-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
23250 / 23112	DEF AT local marker foram decrease	DEF IN 3
23940 / 23716	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 3
24390 / 24111	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 3
24448 / 24162	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 6
24449 / 24163	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
24450 / 24164	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 6
24510 / 24217	DEF AT - - - - -	DEF IN 4
24570 / 24269	DEF AT local marker foram decrease	DEF AT 4
24630 / 24322	DEF AT - - - - -	DEF IN 3
24690 / 24374	DEF AT local marker foram decrease	DEF IN 3
24720 / 24401	DEF AT - - - - -	DEF AT 4
24750 / 24427	DEF AT - - - - -	DEF IN 3
24930 / 24585	DEF AT local marker planktic foram increase	DEF AT 4
24988 / 24636	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 92	Date of Summary: 19-APR-2001	First Sample Examined: 5578
Lease Number: G21829	Source of Paleo: OPERATOR	Borehole MD: 13505
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13173
API Well Number: 608184001900	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 5578 - 13500	Water Depth: 3414
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
5578 / 5577	DEF AT first sample examined	DEF	AT	5
5579 / 5578	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	5
9540 / 9538	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
11220 / 11195	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
12510 / 12313	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
13500 / 13169	DEF AT last sample examined	DEF	AT	5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block:	AT 92	Date of Summary:	19-APR-2001	First Sample Examined:	5578
Lease Number:	G21829	Source of Paleo:	OPERATOR	Borehole MD:	13505
Well Name:	001	Paleo Done By:	PALEO-DATA, INC.	Borehole TVD:	13173
API Well Number:	608184001900	Drilling Operator:	DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation:	74
Paleo Report Num:	2 of 2	Sample Range:	5578 - 13500	Water Depth:	3414
Public Info Code:	Y 19-SEP-2010	Ecozone Eq MMS:		Paleo ID:	003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5578 / 5577	DEF AT first sample examined	DEF AT
9210 / 9208	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11310 / 11279	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12270 / 12113	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12510 / 12313	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13380 / 13065	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13500 / 13169	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 92	Date of Summary: 19-APR-2001	First Sample Examined: 11880
Lease Number: G21829	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15326
API Well Number: 608184001901	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 74
Paleo Report Num: 1 of 4	Sample Range: 11880 - 15975	Water Depth: 3414
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11880 / 11782	DEF AT first sample examined	DEF AT 5
12570 / 12374	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14040 / 13640	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
14070 / 13666	DEF AT - - - - -	DEF IN 5
14130 / 13718	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
14220 / 13797	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14580 / 14113	DEF AT - - - - -	DEF AT 5
15510 / 14921	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15975 / 15326	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 92	Date of Summary: 19-APR-2001	First Sample Examined: 11880
Lease Number: G21829	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15326
API Well Number: 608184001901	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 74
Paleo Report Num: 2 of 4	Sample Range: 11880 - 15975	Water Depth: 3414
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11880 / 11782	DEF AT first sample examined	DEF AT
12330 / 12166	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12540 / 12348	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13290 / 13002	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13740 / 13385	DEF AT reworked material	DEF AT
13890 / 13512	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14010 / 13615	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14040 / 13640	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14250 / 13823	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14730 / 14244	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
15000 / 14479	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
15810 / 15181	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
15975 / 15326	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 92	Date of Summary: 19-APR-2001	First Sample Examined: 14377
Lease Number: G21829	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15326
API Well Number: 608184001901	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 74
Paleo Report Num: 3 of 4	Sample Range: 14377 - 15855	Water Depth: 3414
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report based on sidewall cores

MD / TVD	Paleo Top Description	Ecozone
14377 / 13935	DEF AT first sample examined	DEF AT
14596 / 14127	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14838 / 14338	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15072 / 14542	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15755 / 15133	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15855 / 15221	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15856 / 15221	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 92	Date of Summary: 19-APR-2001	First Sample Examined: 14377
Lease Number: G21829	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15326
API Well Number: 608184001901	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 74
Paleo Report Num: 4 of 4	Sample Range: 14377 - 18555	Water Depth: 3414
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foraminiferal report based on sidewall cores

MD / TVD	Paleo Top Description	Ecozone
14377 / 13935	DEF AT first sample examined	DEF AT 3
14596 / 14127	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
14838 / 14338	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15072 / 14542	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
15687 / 15074	DEF AT - - - - -	DEF AT 2
15755 / 15133	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
15855 / 15221	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 574	Date of Summary: 06-AUG-1998	First Sample Examined: 8050
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 16708
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16708
API Well Number: 608184000800	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 56
Paleo Report Num: 1 of 1	Sample Range: 8050 - 16660	Water Depth: 6133
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Neptune Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8050 / 8050	DEF AT first sample examined	POS AT 5
8079 / 8079	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
8080 / 8080	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8170 / 8170	DEF AT - - - - -	POS AT 5
10960 / 10960	DEF AT - - - - -	DEF AT 5
11050 / 11050	DEF AT - - - - -	POS AT 5
12670 / 12669	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS AT 5
13689 / 13688	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
13690 / 13689	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
13930 / 13929	DEF AT cement	DEF AT 5
13990 / 13989	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 5
14020 / 14019	DEF AT - - - - -	POS AT 5
14050 / 14049	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 5
14080 / 14079	POS IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	POS AT 5
14304 / 14303	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14305 / 14304	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
14350 / 14349	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
14650 / 14649	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
14755 / 14754	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 5
15040 / 15039	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 5
15280 / 15279	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	POS AT 5
15820 / 15819	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 574	Date of Summary: 06-AUG-1998	First Sample Examined: 8050
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 16708
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16708
API Well Number: 608184000800	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 56
Paleo Report Num: 1 of 1	Sample Range: 8050 - 16660	Water Depth: 6133
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16240 / 16239	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	POS AT 5
16270 / 16269	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	POS AT 5
16480 / 16479	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 5
16600 / 16599	DEF AT Arenaceous fauna (local marker)	POS AT 5
16660 / 16659	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 574	Date of Summary: 06-AUG-1998	First Sample Examined: 15660
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 19032
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19014
API Well Number: 608184000801	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 56
Paleo Report Num: 1 of 1	Sample Range: 15660 - 19022	Water Depth: 6133
Public Info Code: Y 27-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Neptune Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15660 / 15659	DEF AT first sample examined	POS AT 5
15661 / 15660	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 5
15990 / 15989	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	POS AT 5
16470 / 16466	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 5
16660 / 16655	DEF AT - - - - -	POS AT 5
16720 / 16714	DEF AT Arenaceous fauna (local marker)	POS AT 5
16900 / 16893	DEF AT - - - - -	DEF IN 5
17230 / 17221	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 5
17260 / 17251	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 5
17320 / 17311	DEF IN Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
17349 / 17340	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
17350 / 17341	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
17380 / 17370	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
17410 / 17400	DEF AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF IN 5
17470 / 17460	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
17500 / 17490	DEF AT radiolarians	DEF IN 5
17529 / 17519	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
17530 / 17520	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF IN 5
17620 / 17609	DEF IN Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 6
17650 / 17639	DEF IN Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT 6
17678 / 17667	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 6
17679 / 17668	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: AT 574	Date of Summary: 06-AUG-1998	First Sample Examined: 15660
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 19032
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19014
API Well Number: 608184000801	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 56
Paleo Report Num: 1 of 1	Sample Range: 15660 - 19022	Water Depth: 6133
Public Info Code: Y 27-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17680 / 17669	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
17709 / 17697	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
17710 / 17698	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 6
17770 / 17758	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 6
17798 / 17786	DEF AT foram flood	DEF AT 6
17799 / 17787	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 6
17800 / 17788	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 6
17830 / 17817	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 6
17950 / 17936	DEF AT Lower Eocene (Ypresian) Tribrachiatus contortus	DEF AT 6
18010 / 17996	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT 6
18280 / 18264	DEF AT local marker foram decrease	DEF IN 6
18640 / 18623	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF IN 6
18820 / 18802	DEF AT - - - -	POS IN 5
19022 / 19004	DEF AT last sample examined	POS IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA 366	Date of Summary: 30-NOV-2005	First Sample Examined: 6480
Lease Number: G25512	Source of Paleo: OPERATOR	Borehole MD: 16889
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16885
API Well Number: 427044035300	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 6480 - 16860	Water Depth: 56
Public Info Code: Y 30-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6480 / 6480	DEF AT first sample examined	DEF IN 3
6660 / 6660	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
7620 / 7620	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
9030 / 9030	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 3
9630 / 9630	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 3
10950 / 10949	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 3
11310 / 11309	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 3
11330 / 11329	DEF AT - - - - -	DEF AT 4
11430 / 11429	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (variety?)	DEF AT 4
11670 / 11669	DEF AT - - - - -	DEF AT 5
11910 / 11909	DEF AT - - - - -	DEF AT 4
12480 / 12479	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
15210 / 15209	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
16860 / 16856	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA 375	Date of Summary: 22-OCT-2001	First Sample Examined: 0
Lease Number: G07215	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9590
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 8593
API Well Number: 427044031900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 22-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7154 / 6718	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8142 / 7518	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA 375	Date of Summary: 12-AUG-1999	First Sample Examined: 0
Lease Number: G09010	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12470
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8187
API Well Number: 427044031800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 31-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
8970 / 5720	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10111 / 6348	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10616 / 6678	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
11375 / 7284	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA 376	Date of Summary: 06-JUN-2000	First Sample Examined: 0
Lease Number: G07215	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9619
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7900
API Well Number: 427044032500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
7507 / 6881	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8767 / 7506	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA 417	Date of Summary: 11-OCT-2001	First Sample Examined: 0
Lease Number: G22190	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8124
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7912
API Well Number: 427044033301	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 91
Public Info Code: Y 28-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7827 / 7615	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 01-DEC-2001	First Sample Examined: 13200
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 20173
Well Name: 001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 20146
API Well Number: 427044033500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 1 of 2	Sample Range: 13200 - 20173	Water Depth: 133
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
13200 / 13200	DEF AT first sample examined	DEF AT
13920 / 13920	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15060 / 15059	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15090 / 15089	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20173 / 20146	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 12-DEC-2001	First Sample Examined: 270
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 20173
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20146
API Well Number: 427044033500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 270 - 20173	Water Depth: 133
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
270 / 270	DEF AT first sample examined	DEF AT 1
570 / 570	DEF AT - - - - -	DEF IN 1
750 / 750	DEF AT local marker foram increase	DEF IN 1
870 / 870	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 1
990 / 990	DEF AT - - - - -	POS AT 1
1020 / 1020	DEF AT local marker foram increase	DEF AT 2
1080 / 1080	DEF AT - - - - -	POS AT 2
1110 / 1110	DEF AT - - - - -	DEF IN 1
1320 / 1320	DEF AT - - - - -	DEF AT 2
1980 / 1980	DEF AT - - - - -	DEF IN 1
2040 / 2040	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
2340 / 2340	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
2370 / 2370	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
2670 / 2670	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 2
2730 / 2730	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
2760 / 2760	DEF AT local marker foram increase	DEF AT 2
2790 / 2790	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 2
2820 / 2820	DEF AT - - - - -	DEF IN 2
3000 / 3000	DEF AT - - - - -	POS AT 2
3030 / 3030	DEF AT - - - - -	DEF IN 2
3090 / 3090	DEF AT sample gap top	POS AT 2
3150 / 3150	DEF AT sample gap bottom	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 12-DEC-2001	First Sample Examined: 270
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 20173
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20146
API Well Number: 427044033500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 270 - 20173	Water Depth: 133
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
3240 / 3240	DEF AT - - - - -	POS IN 2
3270 / 3270	DEF AT - - - - -	DEF IN 2
3300 / 3300	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 2
3390 / 3390	DEF AT sample gap top	POS IN 2
3490 / 3490	DEF AT sample gap bottom	DEF IN 2
3570 / 3570	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
3630 / 3630	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 2
3690 / 3690	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
3720 / 3720	DEF AT - - - - -	POS IN 2
3750 / 3750	DEF AT - - - - -	DEF AT 3
3780 / 3780	DEF AT - - - - -	DEF IN 2
3810 / 3810	DEF AT poor sample interval top	DEF IN 2
3840 / 3840	DEF AT poor sample interval bottom	DEF IN 2
3900 / 3900	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
4350 / 4350	POS AT Upper Miocene (Tortonian) Textularia 6	DEF IN 2
4483 / 4483	DEF AT cement	DEF IN 2
4620 / 4620	DEF AT - - - - -	DEF AT 2
4800 / 4800	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
4920 / 4920	DEF AT local marker foram increase	DEF AT 2
5100 / 5100	DEF AT local marker foram increase	DEF AT 2
5850 / 5850	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
6030 / 6030	DEF AT - - - - -	DEF IN 1
6780 / 6780	DEF AT - - - - -	DEF AT 2
6840 / 6840	DEF AT local marker foram increase	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 12-DEC-2001	First Sample Examined: 270
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 20173
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20146
API Well Number: 427044033500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 270 - 20173	Water Depth: 133
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
7140 / 7140	DEF AT local marker foram increase	DEF AT 2
7170 / 7170	DEF AT - - - - -	DEF IN 2
7380 / 7380	DEF AT - - - - -	DEF AT 2
7530 / 7530	DEF AT - - - - -	POS AT 2
7560 / 7560	DEF AT - - - - -	DEF AT 2
7710 / 7710	DEF AT local marker foram increase	DEF AT 2
7980 / 7980	DEF AT local marker foram increase	DEF AT 2
8010 / 8010	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
8370 / 8370	DEF AT - - - - -	POS AT 2
8400 / 8400	DEF AT - - - - -	DEF AT 2
8520 / 8520	DEF AT local marker foram increase	DEF AT 2
8550 / 8550	DEF AT - - - - -	POS AT 2
8580 / 8580	DEF AT - - - - -	DEF AT 2
8700 / 8700	DEF AT - - - - -	POS AT 2
8730 / 8730	DEF AT - - - - -	DEF AT 2
9210 / 9210	DEF AT Eggerella sp. (local marker)	DEF AT 2
9390 / 9390	DEF AT - - - - -	DEF AT 2
9450 / 9450	DEF AT faunal change (no faunal increase)	DEF AT 3
9480 / 9480	DEF AT Eggerella sp. (local marker)	DEF AT 3
9540 / 9540	DEF AT local marker benthic foram increase	DEF AT 3
9600 / 9600	DEF AT - - - - -	DEF IN 2
9750 / 9750	DEF AT local marker foram increase	DEF IN 2
9900 / 9900	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
10140 / 10140	DEF AT local marker foram increase	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 12-DEC-2001	First Sample Examined: 270
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 20173
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20146
API Well Number: 427044033500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 270 - 20173	Water Depth: 133
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10680 / 10680	DEF AT faunal change (no faunal increase)	DEF IN 2
10740 / 10740	DEF AT faunal change (no faunal increase)	DEF AT 3
11040 / 11040	DEF AT - - - - -	DEF IN 2
11160 / 11160	DEF AT - - - - -	DEF AT 3
11250 / 11250	DEF AT - - - - -	DEF AT 2
11310 / 11310	DEF AT - - - - -	DEF IN 2
11520 / 11520	DEF AT - - - - -	DEF AT 2
11700 / 11700	DEF AT local marker foram increase	DEF IN 2
12510 / 12510	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
12690 / 12690	DEF AT - - - - -	DEF AT 3
12810 / 12810	DEF AT - - - - -	DEF IN 2
13260 / 13260	DEF AT - - - - -	DEF AT 2
13320 / 13320	DEF AT faunal change (no faunal increase)	DEF AT 2
13410 / 13410	DEF AT faunal change (no faunal increase)	DEF AT 2
13470 / 13470	DEF AT local marker foram increase	DEF AT 2
13560 / 13560	DEF AT - - - - -	DEF IN 2
13800 / 13800	DEF AT faunal change (no faunal increase)	DEF IN 2
13830 / 13830	DEF AT local marker foram increase	DEF IN 3
14040 / 14040	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
14370 / 14369	DEF AT - - - - -	DEF AT 3
14700 / 14699	DEF AT - - - - -	DEF IN 2
14850 / 14849	DEF AT local marker foram increase	DEF AT 3
14910 / 14909	DEF AT - - - - -	DEF IN 2
14970 / 14969	DEF AT faunal change (no faunal increase)	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 12-DEC-2001	First Sample Examined: 270
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 20173
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20146
API Well Number: 427044033500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 270 - 20173	Water Depth: 133
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15000 / 14999	DEF AT - - - - -	DEF AT 3
15120 / 15119	DEF AT faunal change (no faunal increase)	DEF AT 3
15210 / 15209	DEF AT faunal change (no faunal increase)	DEF AT 3
15360 / 15359	DEF AT - - - - -	DEF IN 2
15720 / 15719	POS AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF IN 2
16020 / 16018	DEF AT out-of-place section	DEF IN 2
16080 / 16078	DEF AT local marker foram increase	DEF IN 2
16200 / 16198	DEF AT faunal change (no faunal increase)	DEF IN 2
16320 / 16318	DEF AT - - - - -	DEF AT 2
16470 / 16468	DEF AT - - - - -	DEF IN 2
16560 / 16557	DEF AT local marker foram increase	DEF IN 2
16590 / 16587	DEF AT local marker foram increase	DEF IN 2
16650 / 16647	DEF AT - - - - -	DEF IN 3
16770 / 16767	DEF AT - - - - -	DEF AT 3
16800 / 16797	DEF AT local marker foram increase	DEF AT 3
16920 / 16916	DEF AT local marker foram increase	DEF AT 3
17010 / 17006	DEF AT - - - - -	DEF IN 2
17250 / 17245	DEF AT - - - - -	POS IN 2
17280 / 17275	DEF AT faunal change (no faunal increase)	DEF AT 2
17340 / 17335	DEF AT - - - - -	POS AT 2
17370 / 17365	DEF AT - - - - -	DEF IN 2
17490 / 17485	DEF AT local marker foram increase	DEF IN 2
17640 / 17634	POS AT faunal change (no faunal increase)	DEF AT 3
17820 / 17813	DEF AT faunal change (no faunal increase)	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 12-DEC-2001	First Sample Examined: 270
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 20173
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20146
API Well Number: 427044033500	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 114
Paleo Report Num: 2 of 2	Sample Range: 270 - 20173	Water Depth: 133
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
17940 / 17933	DEF AT faunal change (no faunal increase)	DEF AT 3
18000 / 17993	DEF AT -----	DEF IN 2
18090 / 18082	DEF AT -----	DEF AT 2
18120 / 18112	DEF AT -----	DEF IN 2
18180 / 18172	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
18690 / 18679	DEF AT -----	DEF AT 2
18870 / 18858	DEF AT -----	POS AT 2
18930 / 18918	DEF AT -----	DEF AT 2
19050 / 19037	DEF AT -----	DEF IN 2
19260 / 19245	DEF AT local marker foram increase	DEF IN 2
19530 / 19513	DEF AT -----	DEF AT 2
19650 / 19631	DEF AT sand	DEF AT 2
20160 / 20133	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 18-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Alex Prospect

MD / TVD	Paleo Top Description	Ecozone
12000 / 11998	DEF AT first sample examined	DEF AT 2
12001 / 11999	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
12060 / 12058	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
12390 / 12388	DEF AT local marker foram increase	DEF AT 2
12630 / 12628	DEF AT faunal change (no faunal increase)	DEF AT 2
12780 / 12778	DEF AT - - - - -	DEF AT 3
12870 / 12868	DEF AT - - - - -	DEF AT 2
13080 / 13078	DEF AT local marker foram increase	DEF AT 2
13440 / 13438	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
13680 / 13677	DEF AT local marker foram increase	DEF AT 3
13860 / 13857	DEF AT faunal change (no faunal increase)	DEF AT 3
13950 / 13947	DEF AT local marker (general)	DEF AT 3
14190 / 14187	DEF AT local marker (general)	DEF AT 3
14580 / 14576	DEF AT - - - - -	DEF AT 2
15480 / 15475	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 2
15720 / 15715	DEF AT limestone	DEF AT 2
15780 / 15775	DEF AT local marker foram increase	DEF AT 3
15810 / 15805	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
15930 / 15925	DEF AT - - - - -	DEF AT 2
16110 / 16105	DEF AT local marker foram increase	DEF AT 2
17220 / 17214	DEF AT local marker foram increase	DEF AT 2
17540 / 17533	DEF AT sand	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 18-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
18410 / 18402	DEF AT - - - - -	DEF AT 1
18710 / 18701	DEF AT - - - - -	DEF AT 2
18740 / 18731	DEF AT local marker foram increase	DEF AT 3
18790 / 18781	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 26-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: OPERATOR	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 2 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS:	Paleo ID: 004

Remark: Alex Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 / 11998	DEF AT first sample examined	DEF AT
12120 / 12118	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14520 / 14516	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18790 / 18781	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 19	Date of Summary: 27-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: OPERATOR	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 3 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Alex Prospect

MD / TVD	Paleo Top Description	Ecozone
12000 / 11998	DEF AT first sample examined	DEF AT 2
12120 / 12118	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
12390 / 12388	DEF AT local marker (general)	DEF AT 2
12690 / 12688	DEF AT local marker (general)	DEF AT 2
13080 / 13078	DEF AT local marker foram increase	DEF AT 2
13440 / 13438	DEF AT local marker foram increase	DEF AT 3
13680 / 13677	DEF AT local marker (general)	DEF AT 3
13860 / 13857	POS AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT 3
14100 / 14097	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
14520 / 14516	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 3
14640 / 14636	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
15480 / 15475	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
15780 / 15775	POS AT local marker (general)	DEF AT 3
16110 / 16105	POS AT local marker (general)	DEF AT 2
17340 / 17334	DEF AT local marker (general)	DEF AT 2
18740 / 18731	POS AT local marker (general)	DEF AT 2
18789 / 18780	DEF AT Lower (Early) Miocene	DEF AT 2
18790 / 18781	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 39	Date of Summary: 01-MAR-2004	First Sample Examined: 5030
Lease Number: G04559	Source of Paleo: OPERATOR	Borehole MD: 18564
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18561
API Well Number: 427044034800	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 109
Paleo Report Num: 1 of 2	Sample Range: 5030 - 18565	Water Depth: 149
Public Info Code: Y 17-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5030 / 5030	DEF AT first sample examined	DEF AT 3
5031 / 5031	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
5430 / 5430	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
5850 / 5850	DEF AT - - - - -	DEF AT 2
5880 / 5880	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6450 / 6450	DEF AT - - - - -	DEF AT 3
7470 / 7470	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 3
8460 / 8460	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
8730 / 8730	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
9240 / 9240	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 3
10340 / 10340	DEF AT sample gap top	POS AT 3
10440 / 10440	DEF AT sample gap bottom	DEF AT 3
12450 / 12450	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12570 / 12570	DEF AT - - - - -	DEF AT 4
13710 / 13710	DEF AT - - - - -	DEF AT 3
13890 / 13890	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
17430 / 17429	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
18450 / 18447	DEF AT - - - - -	DEF AT 2
18565 /	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 39	Date of Summary: 01-MAR-2004	First Sample Examined: 12000
Lease Number: G04559	Source of Paleo: OPERATOR	Borehole MD: 18564
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18561
API Well Number: 427044034800	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 109
Paleo Report Num: 2 of 2	Sample Range: 12000 - 18565	Water Depth: 149
Public Info Code: Y 17-JUN-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12000 / 12000	DEF AT first sample examined	DEF AT
12600 / 12600	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18565 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 39	Date of Summary: 01-MAR-2004	First Sample Examined: 18330
Lease Number: G04559	Source of Paleo: OPERATOR	Borehole MD: 20496
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20488
API Well Number: 427044034801	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 2	Sample Range: 18330 - 20497	Water Depth: 149
Public Info Code: Y 17-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18330 / 18327	DEF AT first sample examined	DEF AT 2
18331 / 18328	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
20497 /	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: BA A 39	Date of Summary: 01-MAR-2004	First Sample Examined: 18330
Lease Number: G04559	Source of Paleo: OPERATOR	Borehole MD: 20496
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20488
API Well Number: 427044034801	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 106
Paleo Report Num: 2 of 2	Sample Range: 18330 - 20497	Water Depth: 149
Public Info Code: Y 17-JUN-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18330 / 18327	DEF AT first sample examined	DEF AT
20497 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: CA 29	Date of Summary: 01-MAY-1988	First Sample Examined: 3015
Lease Number: G05740	Source of Paleo: PUBLICATION	Borehole MD: 5350
Well Name: A001	Paleo Done By: UNKNOWN	Borehole TVD: 5350
API Well Number: 177284001500	Drilling Operator: TENNECO OIL COMPANY	Rkb Elevation: 68
Paleo Report Num: 2 of 2	Sample Range: 3015 - 5350	Water Depth: 40
Public Info Code: Y 19-DEC-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Source is Mink, R M et al, 1988, Regional geologic framework and petroleum geology of Miocene strata of Alabama coastal waters area and adjacent Federal waters area, Geological Survey of Alabama and State Oil and Gas Board Final Report, page 76

MD / TVD	Paleo Top Description	Ecozone
3015 / 3015	DEF AT first sample examined	DEF AT
3180 / 3180	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4350 / 4350	POS AT Upper Miocene (Tortonian) Bigenerina "B"	DEF AT
4470 / 4470	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
5350 / 5350	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: CC 743	Date of Summary: 23-JAN-2007	First Sample Examined: 3520
Lease Number: G26577	Source of Paleo: OPERATOR	Borehole MD: 23301
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23292
API Well Number: 608014000400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 3520 - 23260	Water Depth: 1357
Public Info Code: Y 17-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram and nanno species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3520 / 3520	DEF AT first sample examined	DEF AT 4
3521 / 3521	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
3522 / 3522	DEF IN Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT 4
3640 / 3640	DEF AT Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF AT 5
3730 / 3730	POS AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT 5
3760 / 3760	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT 5
3939 / 3939	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT 5
3940 / 3940	DEF AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 5
4060 / 4059	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
4150 / 4149	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
4210 / 4209	DEF AT Upper Miocene (Messinian) Textularia tatumii	DEF AT 5
4240 / 4239	DEF AT - - - - -	DEF AT 4
4570 / 4569	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
4600 / 4599	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
4960 / 4959	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
5590 / 5589	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
5770 / 5769	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
5860 / 5859	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
6010 / 6009	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
6310 / 6309	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
6490 / 6489	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
6550 / 6549	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: CC 743	Date of Summary: 23-JAN-2007	First Sample Examined: 3520
Lease Number: G26577	Source of Paleo: OPERATOR	Borehole MD: 23301
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23292
API Well Number: 608014000400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 3520 - 23260	Water Depth: 1357
Public Info Code: Y 17-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
7240 / 7239	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
7360 / 7359	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
7480 / 7479	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
7660 / 7659	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 4
7720 / 7719	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 4
7959 / 7958	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
7960 / 7959	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
9060 / 9059	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
9320 / 9318	DEF AT - - - - -	DEF AT 5
9699 / 9697	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
9700 / 9698	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
9730 / 9728	DEF AT - - - - -	DEF AT 5
10100 / 10098	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
10280 / 10278	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10400 / 10398	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
10420 / 10418	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
10440 / 10438	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
11100 / 11098	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
11140 / 11138	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
11240 / 11238	DEF AT - - - - -	DEF AT 5
11599 / 11597	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
11600 / 11598	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
11740 / 11738	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
11760 / 11758	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: CC 743	Date of Summary: 23-JAN-2007	First Sample Examined: 3520
Lease Number: G26577	Source of Paleo: OPERATOR	Borehole MD: 23301
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23292
API Well Number: 608014000400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 3520 - 23260	Water Depth: 1357
Public Info Code: Y 17-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11940 / 11938	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
12919 / 12917	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
12920 / 12918	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 6
13000 / 12998	DEF AT - - - - -	DEF AT 5
13360 / 13358	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
14280 / 14277	DEF AT out-of-place section	DEF AT 5
14720 / 14716	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 5
14820 / 14816	DEF AT - - - - -	DEF IN 5
14999 / 14995	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 5
15000 / 14996	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF IN 5
15039 / 15035	POS AT out-of-place section	DEF IN 5
15040 / 15036	POS AT reworked material	DEF IN 5
15440 / 15435	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
15580 / 15575	DEF AT - - - - -	DEF AT 5
15760 / 15754	DEF AT Lower Miocene (Burdigalian) Discoaster callosus (increase)	DEF AT 5
15980 / 15974	POS AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 5
16020 / 16014	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
16060 / 16054	DEF AT - - - - -	DEF AT 4
17760 / 17753	DEF AT - - - - -	DEF AT 5
17880 / 17873	DEF AT - - - - -	DEF AT 4
19980 / 19971	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
20620 / 20611	DEF AT - - - - -	DEF AT 5
21000 / 20991	DEF AT - - - - -	DEF AT 4
21360 / 21351	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: CC 743	Date of Summary: 23-JAN-2007	First Sample Examined: 3520
Lease Number: G26577	Source of Paleo: OPERATOR	Borehole MD: 23301
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23292
API Well Number: 608014000400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 3520 - 23260	Water Depth: 1357
Public Info Code: Y 17-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23180 / 23171	DEF AT - - - - -	DEF AT 4
23260 / 23251	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 159	Date of Summary: 09-JUN-1998	First Sample Examined: 0
Lease Number: G02645	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14033
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 6388
API Well Number: 608044004102	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 924
Public Info Code: Y 21-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9473 / 4410	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
11761 / 5115	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 205	Date of Summary: 01-JUN-2001	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9783
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report, 6410=Globorotalia triangula

MD / TVD	Paleo Top Description	Ecozone
4620 / 4620	DEF AT first sample examined	DEF AT 4
5570 / 5570	DEF AT local marker foram increase	DEF AT 4
5780 / 5780	DEF AT sample gap top	POS AT 4
5839 / 5839	DEF AT sample gap bottom	DEF IN 4
5840 / 5840	POS AT condensed section	DEF IN 5
5841 / 5841	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
5842 / 5842	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6349 / 6349	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
6350 / 6350	POS AT local marker planktic foram increase	DEF IN 5
6410 / 6410	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6830 / 6830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
7040 / 7040	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
7100 / 7100	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
7130 / 7130	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF IN 5
7310 / 7310	DEF AT local marker floral increase	DEF IN 5
7430 / 7430	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
7550 / 7550	DEF AT faunal change (no faunal increase)	DEF AT 4
7670 / 7670	DEF AT faunal change (no faunal increase)	DEF IN 5
7730 / 7730	DEF AT faunal change (no faunal increase)	DEF AT 4
8060 / 8060	DEF AT faunal change (no faunal increase)	DEF IN 5
8090 / 8090	DEF AT local marker foram increase	DEF IN 5
8150 / 8150	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 205	Date of Summary: 01-JUN-2001	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9783
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
8630 / 8630	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
8689 / 8689	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
8690 / 8690	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 5
8720 / 8720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
8810 / 8810	DEF AT local marker foram increase	DEF IN 5
9020 / 9020	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9140 / 9140	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
9440 / 9440	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
9470 / 9470	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9710 / 9710	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9780 / 9780	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 205	Date of Summary: 02-JAN-2002	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9783
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, paleobathymetry ranges from middle to upper bathyal in the stratigraphic section analyzed

MD / TVD	Paleo Top Description	Ecozone
4620 / 4620	DEF AT first sample examined	DEF AT 4
5839 / 5839	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
5840 / 5840	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6349 / 6349	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
6350 / 6350	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
6830 / 6830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
7100 / 7100	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
7430 / 7430	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8690 / 8690	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
8720 / 8720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9140 / 9140	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
9470 / 9470	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9780 / 9780	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 421	Date of Summary: 08-MAR-2001	First Sample Examined: 4570
Lease Number: G17255	Source of Paleo: OPERATOR	Borehole MD: 7770
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 608044020000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 4570 - 7770	Water Depth: 2740
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4570 / 4570	DEF AT first sample examined	DEF AT 4
5500 / 5500	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5650 / 5650	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5709 / 5709	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5710 / 5710	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5740 / 5740	DEF AT - - - - -	DEF AT 5
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5978 / 5978	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
5979 / 5979	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
5980 / 5980	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6250 / 6250	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6340 / 6340	DEF AT local marker foram decrease	DEF AT 5
7389 / 7389	DEF AT local marker planktic foram increase	DEF AT 5
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 5
7770 / 7770	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 421	Date of Summary: 08-MAR-2001	First Sample Examined: 4570
Lease Number: G17255	Source of Paleo: OPERATOR	Borehole MD: 7770
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 608044020000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 4570 - 7770	Water Depth: 2740
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4570 / 4570	DEF AT first sample examined	DEF AT
4571 / 4571	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5709 / 5709	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5710 / 5710	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5980 / 5980	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6100 / 6100	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6310 / 6310	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7770 / 7770	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 430	Date of Summary: 07-JUN-2000	First Sample Examined: 0
Lease Number: G19001	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8900
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 8900
API Well Number: 608044019200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2285
Public Info Code: Y 02-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
4430 / 4430	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4610 / 4610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5960 / 5960	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6230 / 6230	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6380 / 6380	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6560 / 6560	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6920 / 6920	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7340 / 7340	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7730 / 7730	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8090 / 8090	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
8240 / 8240	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
8810 / 8810	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 465	Date of Summary: 06-JUN-2001	First Sample Examined: 5160
Lease Number: G17259	Source of Paleo: OPERATOR	Borehole MD: 6818
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6467
API Well Number: 608044020900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 5160 - 6780	Water Depth: 2800
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5160 / 5121	DEF AT first sample examined	DEF AT 5
5310 / 5255	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5460 / 5385	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5820 / 5679	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5880 / 5727	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6030 / 5847	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
6150 / 5943	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
6450 / 6179	DEF AT faunal change (no faunal increase)	DEF AT 5
6720 / 6390	DEF AT local marker planktic foram increase	DEF AT 5
6780 / 6438	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 465	Date of Summary: 09-JUL-2001	First Sample Examined: 5160
Lease Number: G17259	Source of Paleo: OPERATOR	Borehole MD: 6818
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6467
API Well Number: 608044020900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 5160 - 6780	Water Depth: 2800
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5160 / 5121	DEF AT first sample examined	DEF AT
5820 / 5679	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5880 / 5727	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6060 / 5872	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6210 / 5991	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6360 / 6109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6780 / 6438	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 465	Date of Summary: 06-JUN-2001	First Sample Examined: 5184
Lease Number: G17259	Source of Paleo: OPERATOR	Borehole MD: 7638
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7098
API Well Number: 608044020901	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 5184 - 7638	Water Depth: 2722
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5184 / 5143	DEF AT first sample examined	DEF AT 5
5340 / 5283	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5790 / 5658	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5850 / 5705	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5910 / 5752	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6150 / 5941	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6210 / 5988	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
6240 / 6012	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
6390 / 6132	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
6930 / 6556	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7638 / 7098	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 465	Date of Summary: 06-JUN-2001	First Sample Examined: 5184
Lease Number: G17259	Source of Paleo: OPERATOR	Borehole MD: 7638
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7098
API Well Number: 608044020901	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 5184 - 7638	Water Depth: 2722
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5184 / 5143	DEF AT first sample examined	DEF AT
5820 / 5681	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6120 / 5917	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6150 / 5941	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6390 / 6132	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7638 / 7098	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 465	Date of Summary: 07-MAR-2008	First Sample Examined: 4800
Lease Number: G19006	Source of Paleo: OPERATOR	Borehole MD: 7800
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7800
API Well Number: 608044026000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 69
Paleo Report Num: 1 of 1	Sample Range: 4800 - 7800	Water Depth: 2777
Public Info Code: Y 10-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4800 / 4800	DEF AT first sample examined	POS AT 5
5008 / 5008	POS AT maximum flooding surface	DEF AT 5
5009 / 5009	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
5010 / 5010	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5489 / 5489	POS AT maximum flooding surface	DEF AT 5
5490 / 5490	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
5818 / 5818	POS AT maximum flooding surface	DEF IN 5
5819 / 5819	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
5820 / 5820	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5849 / 5849	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
5850 / 5850	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6060 / 6060	POS AT maximum flooding surface	DEF IN 5
6088 / 6088	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6089 / 6089	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF IN 5
6090 / 6090	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
6180 / 6180	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
6330 / 6330	POS AT maximum flooding surface	DEF IN 5
6360 / 6360	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
6779 / 6779	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
6780 / 6780	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
7800 / 7800	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 494	Date of Summary: 04-SEP-2009	First Sample Examined: 5229
Lease Number: G26601	Source of Paleo: OPERATOR	Borehole MD: 8186
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8186
API Well Number: 608044026900	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5229 - 8186	Water Depth: 3256
Public Info Code: Y 17-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5299 / 5299	DEF AT first sample examined	DEF IN 5
5300 / 5300	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF IN 5
5301 / 5301	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
5390 / 5390	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
5419 / 5419	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
5420 / 5420	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
5510 / 5510	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
5539 / 5539	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
5540 / 5540	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
5750 / 5750	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
5810 / 5810	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
5870 / 5870	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
6140 / 6140	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
6290 / 6290	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6350 / 6350	DEF AT sample gap top	POS AT 6
6410 / 6410	DEF AT sample gap bottom	DEF AT 6
6440 / 6440	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
6680 / 6680	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
6890 / 6890	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
6910 / 6910	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
7069 / 7069	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
7070 / 7070	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 494	Date of Summary: 04-SEP-2009	First Sample Examined: 5229
Lease Number: G26601	Source of Paleo: OPERATOR	Borehole MD: 8186
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8186
API Well Number: 608044026900	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5229 - 8186	Water Depth: 3256
Public Info Code: Y 17-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
7280 / 7280	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
7310 / 7310	DEF AT local marker floral increase	DEF AT 6
7340 / 7340	POS AT maximum flooding surface	DEF AT 6
7370 / 7370	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7400 / 7400	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT 6
7579 / 7579	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
7580 / 7580	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
7609 / 7609	DEF AT unconformity	DEF AT 6
7610 / 7610	POS AT maximum flooding surface	DEF AT 6
7850 / 7850	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
7909 / 7909	DEF AT unconformity	DEF AT 6
7910 / 7910	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
7940 / 7940	POS AT maximum flooding surface	DEF AT 6
7970 / 7970	POS IN Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
8000 / 8000	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
8057 / 8057	POS AT maximum flooding surface	DEF AT 6
8058 / 8058	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
8059 / 8059	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
8060 / 8060	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
8090 / 8090	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
8186 / 8186	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 578	Date of Summary: 17-MAR-2003	First Sample Examined: 6960
Lease Number: G23240	Source of Paleo: OPERATOR	Borehole MD: 9060
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9060
API Well Number: 608044022900	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6960 - 9060	Water Depth: 3271
Public Info Code: Y 26-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6960 / 6960	DEF AT first sample examined	DEF IN 6
7560 / 7560	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 6
7890 / 7890	DEF AT faunal change (no faunal increase)	DEF AT 5
8250 / 8250	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
8760 / 8760	DEF AT faunal change (no faunal increase)	DEF IN 6
8790 / 8790	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 6
9060 / 9060	DEF AT last sample examined	DEF IN 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 578	Date of Summary: 17-MAR-2003	First Sample Examined: 6960
Lease Number: G23240	Source of Paleo: OPERATOR	Borehole MD: 9060
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9060
API Well Number: 608044022900	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6960 - 9060	Water Depth: 3271
Public Info Code: Y 26-JAN-2011	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6960 / 6960	DEF AT first sample examined	DEF AT
6961 / 6961	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
7200 / 7200	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
7560 / 7560	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7920 / 7920	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
8070 / 8070	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
8370 / 8370	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8610 / 8610	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
8958 / 8958	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9060 / 9060	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 22-OCT-1999	First Sample Examined: 6720
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 11990
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11989
API Well Number: 608044018400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 6720 - 11989	Water Depth: 3680
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Nansen Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6720 / 6720	DEF AT first sample examined	DEF IN 5
6840 / 6840	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8760 / 8760	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8940 / 8940	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
9030 / 9030	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9360 / 9360	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9540 / 9540	DEF AT local marker deep water fauna	DEF IN 5
9600 / 9600	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
9660 / 9660	POS AT local marker foram decrease	DEF AT 5
10229 / 10229	DEF AT reworked material	DEF AT 5
10230 / 10230	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11520 / 11520	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11729 / 11729	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11730 / 11730	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11989 / 11989	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 26-OCT-1999	First Sample Examined: 6720
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 11990
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11989
API Well Number: 608044018400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 6720 - 11989	Water Depth: 3680
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6720 / 6720	DEF AT first sample examined	DEF AT
6721 / 6721	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8938 / 8938	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8939 / 8939	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8940 / 8940	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9480 / 9480	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9600 / 9600	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10200 / 10200	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
11190 / 11190	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11520 / 11520	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11760 / 11760	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11989 / 11988	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 13-SEP-2000	First Sample Examined: 14310
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 16907
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13180
API Well Number: 608044019700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 14310 - 16907	Water Depth: 3678
Public Info Code: Y 01-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14310 / 11559	DEF AT first sample examined	DEF AT 5
14580 / 11739	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
15570 / 12359	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15660 / 12415	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
15780 / 12488	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16110 / 12693	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
16907 / 13175	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 13-SEP-2000	First Sample Examined: 14310
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 16907
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13180
API Well Number: 608044019700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 14310 - 16907	Water Depth: 3678
Public Info Code: Y 01-SEP-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14310 / 11559	DEF AT first sample examined	DEF AT
14311 / 11559	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14640 / 11778	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
15570 / 12359	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16890 / 13165	POS AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
16907 / 13175	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 17-JAN-2000	First Sample Examined: 5110
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13539
API Well Number: 608044018801	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 5110 - 14050	Water Depth: 3678
Public Info Code: Y 23-JAN-2010	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5110 / 5110	DEF AT first sample examined	DEF AT
5140 / 5140	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6340 / 6277	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7060 / 6887	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9669 / 9280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9670 / 9281	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10120 / 9719	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10930 / 10508	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11680 / 11239	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
13240 / 12754	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14020 / 13510	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14050 / 13539	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 17-JAN-2000	First Sample Examined: 5110
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 14050
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13539
API Well Number: 608044018801	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 5110 - 14050	Water Depth: 3678
Public Info Code: Y 23-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5110 / 5110	DEF AT first sample examined	DEF IN 5
5140 / 5140	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
5230 / 5230	DEF AT faunal change (no faunal increase)	DEF AT 5
6490 / 6405	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6850 / 6710	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7210 / 7014	DEF AT local marker deep water fauna	DEF IN 5
7420 / 7192	DEF AT faunal change (no faunal increase)	DEF AT 5
10150 / 9748	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10780 / 10362	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11710 / 11268	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13270 / 12783	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
13930 / 13423	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13960 / 13452	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14050 / 13539	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 03-DEC-1999	First Sample Examined: 9840
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 12399
Well Name: A009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10937
API Well Number: 608044018701	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 9840 - 12400	Water Depth: 3678
Public Info Code: Y 17-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Nansen Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9840 / 8773	DEF AT first sample examined	DEF AT 5
9841 / 8773	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9960 / 8862	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10380 / 9183	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11190 / 9867	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
11369 / 10024	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11370 / 10025	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11698 / 10314	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11699 / 10315	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
11700 / 10316	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
11900 / 10493	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11940 / 10529	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
12300 / 10849	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12360 / 10902	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12400 / 10938	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 03-DEC-1999	First Sample Examined: 9840
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 12399
Well Name: A009	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10937
API Well Number: 608044018701	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 9840 - 12400	Water Depth: 3678
Public Info Code: Y 17-DEC-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9840 / 8773	DEF AT first sample examined	DEF AT
9900 / 8817	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10050 / 8929	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10830 / 9552	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11190 / 9867	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11370 / 10025	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11700 / 10316	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11701 / 10317	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11760 / 10369	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12330 / 10875	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
12360 / 10902	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
12390 / 10929	DEF AT Upper Miocene (Tortonian) Catinaaster mexicanus	DEF AT
12400 / 10938	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 8000
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 12031
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12028
API Well Number: 608044019000	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 8000 - 12030	Water Depth: 3678
Public Info Code: Y 19-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Nansen Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8000 / 8000	DEF AT first sample examined	DEF AT 5
8089 / 8089	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8090 / 8090	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9140 / 9140	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9800 / 9800	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9830 / 9830	DEF AT foram flood	DEF IN 5
9950 / 9949	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
10040 / 10039	DEF AT local marker foram decrease	DEF AT 5
11630 / 11628	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11660 / 11658	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12030 / 12027	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 8000
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 12031
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12028
API Well Number: 608044019000	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 8000 - 12030	Water Depth: 3678
Public Info Code: Y 19-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8000 / 8000	DEF AT first sample examined	DEF AT
8090 / 8090	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8900 / 8900	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9140 / 9140	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9590	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9860 / 9860	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
9950 / 9949	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11630 / 11628	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11690 / 11688	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12020 / 12017	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12030 / 12027	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 11870
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 15410
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15385
API Well Number: 608044019001	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 11870 - 15410	Water Depth: 3678
Public Info Code: Y 05-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Nansen Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11870 / 11866	DEF AT first sample examined	DEF AT
11930 / 11925	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12050 / 12044	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13460 / 13449	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
13490 / 13479	DEF AT Lower Pliocene (Zancian) Pseudosphenolithus abies "B" (acme)	DEF AT
13491 / 13480	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT
13940 / 13927	DEF AT Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF AT
14030 / 14017	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
14120 / 14106	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14360 / 14345	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14390 / 14375	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14450 / 14434	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14510 / 14494	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14630 / 14613	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14720 / 14702	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14721 / 14703	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14840 / 14821	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
14900 / 14880	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
14930 / 14910	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14931 / 14911	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14932 / 14912	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14990 / 14969	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 11870
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 15410
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15385
API Well Number: 608044019001	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 11870 - 15410	Water Depth: 3678
Public Info Code: Y 05-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14991 / 14970	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
15410 / 15382	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 11870
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 15410
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15385
API Well Number: 608044019001	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 11870 - 15410	Water Depth: 3678
Public Info Code: Y 05-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Nansen Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11870 / 11866	DEF AT first sample examined	DEF AT 5
12050 / 12044	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12140 / 12134	POS AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 5
12230 / 12223	DEF AT faunal change (no faunal increase)	DEF AT 5
12529 / 12521	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
12530 / 12522	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12830 / 12821	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13640 / 13629	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13938 / 13925	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
13939 / 13926	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
13940 / 13927	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13970 / 13957	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
14180 / 14166	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
14240 / 14226	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
14660 / 14642	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
14810 / 14791	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
14870 / 14850	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 5
14897 / 14877	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 5
14898 / 14878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
14899 / 14879	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
14900 / 14880	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF IN 5
14929 / 14909	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 31-MAR-2000	First Sample Examined: 11870
Lease Number: G14205	Source of Paleo: OPERATOR	Borehole MD: 15410
Well Name: SS004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15385
API Well Number: 608044019001	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 11870 - 15410	Water Depth: 3678
Public Info Code: Y 05-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14930 / 14910	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
15410 / 15382	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 13-SEP-2000	First Sample Examined: 12900
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 17250
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14259
API Well Number: 608044019600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12900 - 17250	Water Depth: 3680
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12900 / 10539	DEF AT first sample examined	DEF AT 5
12901 / 10540	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
13620 / 11141	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
15209 / 12504	POS AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
15210 / 12505	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16530 / 13640	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
16800 / 13871	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17250 / 14259	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 23-OCT-2000	First Sample Examined: 12900
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 17250
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14259
API Well Number: 608044019600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12900 - 17250	Water Depth: 3680
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12900 / 10539	DEF AT first sample examined	DEF AT
13440 / 10988	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
13620 / 11141	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16140 / 13306	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16560 / 13665	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16800 / 13871	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17149 / 14172	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17150 / 14172	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17220 / 14233	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
17250 / 14259	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 20-OCT-2000	First Sample Examined: 13500
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 15516
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13870
API Well Number: 608044019601	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13500 - 15515	Water Depth: 3680
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13500 / 12231	DEF AT first sample examined	DEF AT 5
13501 / 12232	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13800 / 12499	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
13950 / 12631	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14130 / 12786	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14309 / 12937	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
14310 / 12938	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14580 / 13153	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
14610 / 13177	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
14640 / 13200	DEF AT local marker foram decrease	DEF AT 5
14850 / 13363	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
14879 / 13385	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
14880 / 13386	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
14970 / 13454	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
15120 / 13567	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
15180 / 13613	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
15450 / 13819	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
15515 / 13869	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 20-OCT-2000	First Sample Examined: 13500
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 15516
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13870
API Well Number: 608044019601	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13500 - 15515	Water Depth: 3680
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13500 / 12231	DEF AT first sample examined	DEF AT
13501 / 12232	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
13530 / 12259	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13710 / 12420	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14010 / 12683	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14310 / 12938	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14790 / 13316	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14850 / 13363	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14940 / 13432	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15150 / 13590	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15240 / 13658	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15515 / 13869	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 05-DEC-2000	First Sample Examined: 10200
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 12736
Well Name: A008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10099
API Well Number: 608044019402	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 10200 - 12756	Water Depth: 3680
Public Info Code: Y 25-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10200 / 8742	DEF AT first sample examined	DEF AT 5
10469 / 8881	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10470 / 8882	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11100 / 9220	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11130 / 9237	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11190 / 9271	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
11280 / 9322	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11580 / 9487	DEF AT local marker foram decrease	DEF AT 5
12420 / 9928	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12720 / 10090	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12756 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 05-DEC-2000	First Sample Examined: 10200
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 12736
Well Name: A008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10099
API Well Number: 608044019402	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 10200 - 12736	Water Depth: 3680
Public Info Code: Y 25-NOV-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10200 / 8742	DEF AT first sample examined	DEF AT
10470 / 8882	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10860 / 9090	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12329 / 9880	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12330 / 9881	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12450 / 9944	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12756 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 05-DEC-2000	First Sample Examined: 11610
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 15685
Well Name: A008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11699
API Well Number: 608044019403	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11610 - 15685	Water Depth: 3680
Public Info Code: Y 16-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11610 / 9504	DEF AT first sample examined	DEF AT 5
11880 / 9650	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14130 / 10765	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14610 / 10994	DEF AT - - - - -	DEF IN 5
14850 / 11107	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
15685 / 11699	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 602	Date of Summary: 05-DEC-2000	First Sample Examined: 11610
Lease Number: G20725	Source of Paleo: OPERATOR	Borehole MD: 15685
Well Name: A008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11699
API Well Number: 608044019403	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11610 - 15685	Water Depth: 3680
Public Info Code: Y 16-DEC-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11610 / 9504	DEF AT first sample examined	DEF AT
14100 / 10750	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14850 / 11107	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15685 / 11699	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 642	Date of Summary: 13-JAN-2000	First Sample Examined: 5300
Lease Number: G09183	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11799
API Well Number: 608044018600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5300 - 11800	Water Depth: 3678
Public Info Code: Y 30-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5300 / 5300	DEF AT first sample examined	DEF AT 4
7310 / 7310	DEF AT local marker foram increase	DEF AT 4
7430 / 7430	DEF AT local marker planktic foram increase	DEF AT 5
7850 / 7850	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8000 / 8000	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8120 / 8120	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8300 / 8300	DEF AT faunal change (no faunal increase)	DEF AT 5
8450 / 8450	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
8630 / 8630	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9050 / 9050	DEF AT local marker planktic foram increase	DEF AT 5
9530 / 9530	DEF AT pyrite	DEF AT 5
9710 / 9710	DEF AT local marker planktic foram increase	DEF AT 5
9740 / 9740	DEF AT local marker foram decrease	DEF AT 5
10160 / 10160	DEF AT local marker planktic foram increase	DEF AT 5
10190 / 10190	DEF AT local marker foram decrease	DEF AT 5
10220 / 10220	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10310 / 10310	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
10400 / 10400	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10879 / 10878	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
10880 / 10879	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
11030 / 11029	DEF AT local marker deep water fauna	DEF IN 5
11450 / 11449	DEF AT Lower Pliocene (Zanclean) Globorotalia margaritae	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 642	Date of Summary: 13-JAN-2000	First Sample Examined: 5300
Lease Number: G09183	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11799
API Well Number: 608044018600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5300 - 11800	Water Depth: 3678
Public Info Code: Y 30-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11480 / 11479	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11510 / 11509	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11569 / 11568	DEF AT pyrite	DEF IN 5
11570 / 11569	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11600 / 11599	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
11660 / 11659	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
11800 / 11799	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 642	Date of Summary: 13-JAN-2000	First Sample Examined: 5300
Lease Number: G09183	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11799
API Well Number: 608044018600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 5300 - 11800	Water Depth: 3678
Public Info Code: Y 30-NOV-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5300 / 5300	DEF AT first sample examined	DEF AT
6320 / 6320	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7310 / 7310	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7370 / 7370	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7850 / 7850	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8000 / 8000	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8240 / 8240	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
8900 / 8900	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10220 / 10220	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10400 / 10400	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11420 / 11419	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11450 / 11449	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11630 / 11629	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11690 / 11689	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11720 / 11719	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11780 / 11779	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11800 / 11799	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 10220
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11025
API Well Number: 608044016803	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 10220 - 12320	Water Depth: 3668
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10220 / 9594	DEF AT first sample examined	DEF AT
10221 / 9595	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10520 / 9802	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11630 / 10547	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12139 / 10901	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
12140 / 10902	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT
12260 / 10988	DEF AT Lower Pliocene (Zancian) Pseudosphenolithus abies "B" (acme)	DEF AT
12320 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 10220
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11025
API Well Number: 608044016803	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 10220 - 12320	Water Depth: 3668
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
10220 / 9594	DEF AT first sample examined	DEF	AT	5
10221 / 9595	DEF AT poor sample interval top	DEF	AT	5
11150 / 10224	DEF AT poor sample interval bottom	DEF	AT	5
11840 / 10692	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
12230 / 10966	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF	AT	5
12320 /	DEF AT last sample examined	DEF	AT	5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 642	Date of Summary: 04-NOV-2003	First Sample Examined: 8380
Lease Number: G20729	Source of Paleo: OPERATOR	Borehole MD: 14591
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12259
API Well Number: 608044024000	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 8380 - 14590	Water Depth: 3635
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8380 / 7501	DEF AT first sample examined	DEF AT 5
8381 / 7502	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8920 / 7839	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9430 / 8147	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9580 / 8237	DEF AT - - - - -	DEF IN 5
10180 / 8595	DEF AT - - - - -	DEF AT 5
10540 / 8817	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10630 / 8874	DEF AT - - - - -	DEF IN 5
10750 / 8950	DEF AT - - - - -	DEF AT 5
12610 / 10441	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12970 / 10766	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13270 / 11041	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14080 / 11788	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14500 / 12173	DEF AT - - - - -	DEF IN 5
14590 / 12256	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 642	Date of Summary: 04-NOV-2003	First Sample Examined: 8380
Lease Number: G20729	Source of Paleo: OPERATOR	Borehole MD: 14591
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12259
API Well Number: 608044024000	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 8380 - 14590	Water Depth: 3635
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8380 / 7501	DEF AT first sample examined	DEF AT
8381 / 7502	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8830 / 7782	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9640 / 8273	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10540 / 8817	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12196 / 10077	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12910 / 10711	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13150 / 10931	POS AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
14050 / 11760	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
14560 / 12228	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
14590 / 12256	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 643	Date of Summary: 15-OCT-1999	First Sample Examined: 6000
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 9478
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9475
API Well Number: 608044018200	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6000 - 9478	Water Depth: 3453
Public Info Code: Y 15-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6000 / 5997	DEF AT first sample examined	DEF AT 4
6840 / 6837	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7260 / 7257	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
7440 / 7437	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
8010 / 8007	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8790 / 8787	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9150 / 9147	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9478 / 9475	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 643	Date of Summary: 27-OCT-1999	First Sample Examined: 6000
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 9478
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9475
API Well Number: 608044018200	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6000 - 9478	Water Depth: 3453
Public Info Code: Y 15-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6000 / 5997	DEF AT first sample examined	DEF AT
6030 / 6027	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6840 / 6837	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7260 / 7257	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7320 / 7317	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8040 / 8037	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
8310 / 8307	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8760 / 8757	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8820 / 8817	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
9150 / 9147	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9478 / 9475	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 643	Date of Summary: 13-JAN-2000	First Sample Examined: 6000
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 8044
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7604
API Well Number: 608044018900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6000 - 7980	Water Depth: 3450
Public Info Code: Y 16-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6000 / 5958	DEF AT first sample examined	DEF AT 4
7230 / 6954	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7260 / 6978	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7350 / 7050	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7380 / 7074	DEF AT local marker foram decrease	DEF AT 5
7470 / 7146	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7680 / 7314	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
7770 / 7385	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
7980 / 7553	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 643	Date of Summary: 13-JAN-2000	First Sample Examined: 6000
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 8044
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7604
API Well Number: 608044018900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6000 - 7980	Water Depth: 3450
Public Info Code: Y 16-DEC-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6000 / 5958	DEF AT first sample examined	DEF AT
6780 / 6592	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7260 / 6978	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7320 / 7026	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7800 / 7409	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7860 / 7457	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7980 / 7553	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 643	Date of Summary: 13-JAN-2000	First Sample Examined: 7890
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 11591
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10483
API Well Number: 608044018901	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 7890 - 11580	Water Depth: 3450
Public Info Code: Y 01-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7890 / 7479	DEF AT first sample examined	DEF IN 5
7920 / 7503	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
8339 / 7843	DEF AT pyrite	DEF AT 5
8340 / 7843	DEF AT local marker deep water fauna	DEF AT 5
9089 / 8452	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9090 / 8453	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10260 / 9399	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10680 / 9742	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11220 / 10183	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
11310 / 10256	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11340 / 10280	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11580 / 10474	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 643	Date of Summary: 13-JAN-2000	First Sample Examined: 7890
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 11591
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10483
API Well Number: 608044018901	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 7890 - 11580	Water Depth: 3450
Public Info Code: Y 01-FEB-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7890 / 7479	DEF AT first sample examined	DEF AT
8070 / 7624	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8940 / 8331	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10260 / 9399	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10710 / 9766	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11310 / 10256	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11400 / 10328	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11490 / 10401	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11580 / 10474	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 686	Date of Summary: 30-MAR-2001	First Sample Examined: 0
Lease Number: G20729	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12107
API Well Number: 608044021000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 4050
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6400 / 6399	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
8900 / 8898	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 04-JUN-1998	First Sample Examined: 5610
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10182
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10182
API Well Number: 608044017400	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5610 - 10110	Water Depth: 3751
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
5610 / 5610	DEF AT first sample examined	POS AT 5
5611 / 5611	DEF IN cement	POS AT 5
5850 / 5850	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5910 / 5910	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8520 / 8520	DEF AT faunal change (no faunal increase)	DEF IN 5
8550 / 8550	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8610 / 8610	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8760 / 8760	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
8940 / 8940	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9150 / 9150	DEF AT local marker foram decrease	DEF IN 5
10110 / 10110	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 09-JUN-1998	First Sample Examined: 5610
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10182
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10182
API Well Number: 608044017400	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 5610 - 10110	Water Depth: 3751
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5610 / 5610	DEF AT first sample examined	DEF AT
5970 / 5970	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8400 / 8400	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
8490 / 8490	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8910 / 8910	DEF AT local marker floral increase	DEF AT
10110 / 10110	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 11-JUL-2001	First Sample Examined: 6800
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10523
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9570
API Well Number: 608044021900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6800 - 10523	Water Depth: 3589
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6800 / 6800	DEF AT first sample examined	DEF IN 5
7370 / 7366	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
7730 / 7712	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9710 / 9108	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
10130 / 9343	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10523 / 9571	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 11-JUL-2001	First Sample Examined: 6800
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10523
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9570
API Well Number: 608044021900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6800 - 10523	Water Depth: 3589
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6800 / 6800	DEF AT first sample examined	DEF AT
6801 / 6801	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7370 / 7366	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7430 / 7425	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8060 / 8008	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
9830 / 9175	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10070 / 9309	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10523 / 9571	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 13-JUN-2001	First Sample Examined: 7080
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 7791
Well Name: SS006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7610
API Well Number: 608044022100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7080 - 10230	Water Depth: 3788
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7080 / 7009	DEF AT first sample examined	DEF AT 4
8670 /	DEF AT - - - - -	POS AT 5
8850 /	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8970 /	DEF AT - - - - -	DEF IN 5
9150 /	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9570 /	DEF AT - - - - -	DEF AT 5
10230 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 13-JUN-2001	First Sample Examined: 7080
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 7791
Well Name: SS006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7610
API Well Number: 608044022100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7080 - 10230	Water Depth: 3788
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7080 / 7009	DEF AT first sample examined	DEF AT
8280 /	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8700 /	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8850 /	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8940 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8970 /	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9330 /	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10230 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 12-JUN-2001	First Sample Examined: 10260
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10908
Well Name: SS006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10553
API Well Number: 608044022101	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10260 - 10920	Water Depth: 3788
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10260 / 9909	DEF AT first sample examined	DEF AT 5
10890 / 10535	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10920 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 13-JUN-2001	First Sample Examined: 10230
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10908
Well Name: SS006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10553
API Well Number: 608044022101	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10230 - 10920	Water Depth: 3788
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10230 / 9880	DEF AT first sample examined	DEF AT
10800 / 10445	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10920 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 688	Date of Summary: 22-APR-2008	First Sample Examined: 7750
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10770
Well Name: SS006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9867
API Well Number: 608044022102	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7750 - 10780	Water Depth: 3788
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7750 / 7562	DEF AT first sample examined	DEF IN 4
8410 / 8108	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 4
8710 / 8331	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
8920 / 8478	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8978 / 8517	POS AT maximum flooding surface	DEF AT 5
8979 / 8518	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
8980 / 8519	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9127 / 8620	POS AT maximum flooding surface	DEF IN 5
9128 / 8621	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
9129 / 8621	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
9130 / 8622	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
9459 / 8848	POS AT unconformity	DEF IN 5
9460 / 8849	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9550 / 8910	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
10000 / 9232	DEF AT faunal change (no faunal increase)	DEF AT 5
10780 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 715	Date of Summary: 01-JUN-2005	First Sample Examined: 6380
Lease Number: G20733	Source of Paleo: OPERATOR	Borehole MD: 11507
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11265
API Well Number: 608044024700	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6380 - 11510	Water Depth: 4074
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6380 / 6380	DEF AT first sample examined	DEF AT
6469 / 6469	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6470 / 6470	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
6530 / 6530	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
6590 / 6590	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
6740 / 6740	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
6770 / 6770	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
7010 / 7010	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
7130 / 7130	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
7190 / 7190	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
7220 / 7220	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
7250 / 7250	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
7580 / 7580	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT
7699 / 7699	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
7700 / 7700	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
8000 / 8000	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
8120 / 8120	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8150 / 8150	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
10712 / 10488	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
10820 / 10592	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11090 / 10853	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
11150 / 10912	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 715	Date of Summary: 01-JUN-2005	First Sample Examined: 6380
Lease Number: G20733	Source of Paleo: OPERATOR	Borehole MD: 11507
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11265
API Well Number: 608044024700	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 6380 - 11510	Water Depth: 4074
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: N	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11180 / 10941	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
11239 / 10999	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
11240 / 11000	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
11402 / 11161	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
11510 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 715	Date of Summary: 01-JUN-2005	First Sample Examined: 6380
Lease Number: G20733	Source of Paleo: OPERATOR	Borehole MD: 11507
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11265
API Well Number: 608044024700	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 6380 - 11510	Water Depth: 4074
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6380 / 6380	DEF AT first sample examined	DEF AT 6
6381 / 6381	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
6500 / 6500	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
6920 / 6920	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
6950 / 6950	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
7250 / 7250	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
7579 / 7579	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
7580 / 7580	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
7700 / 7700	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
7790 / 7790	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
8120 / 8120	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
8540 / 8537	POS IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
10940 / 10707	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
11210 / 10971	DEF AT - - - -	DEF AT 5
11299 / 11058	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11300 / 11059	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
11402 / 11161	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
11450 / 11208	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
11510 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 758	Date of Summary: 07-MAR-2003	First Sample Examined: 6810
Lease Number: G20745	Source of Paleo: OPERATOR	Borehole MD: 9510
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8896
API Well Number: 608044022300	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6810 - 9510	Water Depth: 4114
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6810 / 6789	DEF AT first sample examined	DEF AT 5
7140 / 7102	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 6
7290 / 7239	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
7410 / 7348	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 6
8550 / 8228	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 6
8580 / 8249	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 6
8670 / 8312	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 6
8700 / 8333	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 6
8760 / 8375	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 6
8860 / 8445	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 6
9180 / 8669	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 6
9300 / 8752	DEF AT - - - -	DEF AT 5
9510 / 8896	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EB 758	Date of Summary: 07-MAR-2003	First Sample Examined: 6810
Lease Number: G20745	Source of Paleo: OPERATOR	Borehole MD: 9510
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8896
API Well Number: 608044022300	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6810 - 9510	Water Depth: 4114
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6810 / 6789	DEF AT first sample examined	DEF AT
6900 / 6876	POS IN Lower Pliocene (Zancian) Pseudosphenolithus abies "B" (acme)	DEF AT
6990 / 6962	DEF AT Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF AT
7110 / 7074	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
7200 / 7157	POS AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
7290 / 7239	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
7350 / 7294	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
8040 / 7856	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
8160 / 7945	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8370 / 8099	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8460 / 8164	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
8520 / 8207	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
8670 / 8312	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
8760 / 8375	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
9210 / 8690	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
9330 / 8772	POS AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
9360 / 8793	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
9510 / 8896	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 48	Date of Summary: 19-JUN-2000	First Sample Examined: 0
Lease Number: 00767	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10848
Well Name: H006	Paleo Done By: OPERATOR	Borehole TVD: 10278
API Well Number: 177034087700	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 169
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 02-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9390 / 9170	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10382 / 9908	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 63	Date of Summary: 28-AUG-2003	First Sample Examined: 8980
Lease Number: G22574	Source of Paleo: OPERATOR	Borehole MD: 13698
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13697
API Well Number: 177034095300	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 8980 - 13698	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8980 / 8980	DEF AT first sample examined	DEF AT 3
8981 / 8981	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
9070 / 9070	DEF AT - - - - -	DEF IN 2
9220 / 9220	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 2
9520 / 9519	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 2
9550 / 9549	DEF AT - - - - -	DEF AT 2
9790 / 9789	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
9880 / 9879	DEF AT - - - - -	DEF IN 2
9910 / 9909	DEF AT - - - - -	DEF AT 2
10000 / 9999	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 2
10060 / 10059	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
10180 / 10179	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 2
10360 / 10359	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 2
10690 / 10689	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
10750 / 10749	DEF AT - - - - -	DEF AT 2
10930 / 10929	DEF AT - - - - -	DEF IN 2
10960 / 10959	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 2
11260 / 11259	DEF AT local marker foram increase	DEF IN 2
11620 / 11619	DEF AT local marker foram increase	DEF IN 2
11750 / 11749	DEF AT - - - - -	DEF AT 2
11860 / 11859	DEF AT - - - - -	DEF AT 2
11920 / 11919	DEF AT local marker foram increase	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 63	Date of Summary: 28-AUG-2003	First Sample Examined: 8980
Lease Number: G22574	Source of Paleo: OPERATOR	Borehole MD: 13698
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 13697
API Well Number: 177034095300	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 8980 - 13698	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11980 / 11979	DEF AT - - - - -	DEF AT 2
12100 / 12099	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
12400 / 12399	DEF AT local marker foram increase	DEF AT 2
12940 / 12939	POS AT local marker foram increase	DEF AT 2
13180 / 13179	DEF AT local marker foram increase	DEF AT 2
13698 / 13697	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 83	Date of Summary: 23-MAR-2001	First Sample Examined: 0
Lease Number: G08641	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14569
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 14456
API Well Number: 177034089500	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 05-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11111 / 11110	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12265 / 12264	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 84	Date of Summary: 07-APR-2000	First Sample Examined: 0
Lease Number: G14356	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18600
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18555
API Well Number: 177034087500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 29-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14515 / 14477	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
18112 / 18071	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 89	Date of Summary: 05-JUN-2001	First Sample Examined: 0
Lease Number: G00935	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9350
Well Name: 017	Paleo Done By: OPERATOR	Borehole TVD: 7615
API Well Number: 177034090600	Drilling Operator: CALPINE NATURAL GAS COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 18-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
6362 / 5751	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF AT
7482 / 6446	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
8804 / 7266	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 144	Date of Summary: 07-JUL-2000	First Sample Examined: 0
Lease Number: G21070	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11964
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11964
API Well Number: 177034088200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 85
Public Info Code: Y 22-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
7010 / 7010	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
8990 / 8989	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11704 / 11702	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 151	Date of Summary: 15-DEC-1999	First Sample Examined: 0
Lease Number: G05372	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9600
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9599
API Well Number: 177034086900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 02-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5900 / 5900	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6860 / 6860	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
7280 / 7280	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7850 / 7850	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
8250 / 8250	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9100 / 9099	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 151	Date of Summary: 30-APR-1998	First Sample Examined: 0
Lease Number: G05372	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8560
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 8509
API Well Number: 177034085300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 02-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7120 / 7119	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF AT
7872 / 7862	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 151	Date of Summary: 12-JUL-2000	First Sample Examined: 0
Lease Number: G05372	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10100
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 10097
API Well Number: 177034087200	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 38
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 02-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5595 / 5595	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
7209 / 7209	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8466 / 8465	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 261	Date of Summary: 22-MAR-2000	First Sample Examined: 0
Lease Number: G00971	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8168
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6338
API Well Number: 177042000801	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 160
Public Info Code: Y 25-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4067 / 3345	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6950 / 5446	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 269	Date of Summary: 25-AUG-2006	First Sample Examined: 12560
Lease Number: G24807	Source of Paleo: OPERATOR	Borehole MD: 16859
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16846
API Well Number: 177044108201	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 12560 - 16859	Water Depth: 173
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12560 / 12556	DEF AT first sample examined	DEF IN 3
12750 / 12746	DEF AT maximum flooding surface	DEF AT 3
12780 / 12776	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
12810 / 12806	DEF AT - - - - -	DEF AT 3
13260 / 13255	DEF AT Bathysiphon fauna	DEF AT 3
13319 / 13314	DEF AT maximum flooding surface	DEF AT 3
13320 / 13315	DEF AT Bathysiphon fauna	DEF AT 3
13350 / 13345	DEF AT - - - - -	DEF AT 4
13650 / 13645	DEF AT Bathysiphon fauna	DEF AT 4
14420 / 14414	DEF AT Bathysiphon fauna	DEF AT 4
14860 / 14854	DEF AT Bathysiphon fauna	DEF AT 4
15650 / 15643	DEF AT Bathysiphon fauna	DEF AT 4
15659 / 15651	DEF AT maximum flooding surface	DEF AT 4
15660 / 15652	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15810 / 15802	DEF AT - - - - -	DEF AT 4
16670 / 16658	DEF AT Bathysiphon fauna	DEF AT 4
16859 / 16846	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 313	Date of Summary: 01-JUN-2006	First Sample Examined: 5340
Lease Number: G24815	Source of Paleo: OPERATOR	Borehole MD: 9771
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9400
API Well Number: 177044108100	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 9771	Water Depth: 187
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Firefly Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5340 / 5181	DEF AT first sample examined	DEF IN 1
5370 / 5209	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 1
5400 / 5236	DEF AT - - - - -	DEF AT 2
5580 / 5397	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	POS AT 3
5639 / 5450	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 3
5640 / 5451	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
5759 / 5560	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF AT 3
5760 / 5561	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
5820 / 5617	DEF AT local marker foram decrease	DEF AT 3
5970 / 5757	DEF AT sample gap top	DEF AT 3
6090 / 5871	DEF AT sample gap bottom	DEF AT 2
6390 / 6159	DEF AT - - - - -	DEF IN 1
6450 / 6217	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 1
6660 / 6418	DEF AT - - - - -	DEF IN 1
6930 / 6678	DEF AT - - - - -	DEF AT 1
7110 / 6852	DEF AT local marker benthic foram increase	DEF AT 1
7470 / 7197	DEF AT - - - - -	DEF IN 1
7740 / 7454	DEF AT local marker benthic foram increase	DEF IN 1
7770 / 7482	DEF AT local marker benthic foram increase	DEF IN 1
7800 / 7511	DEF AT pyrite	DEF IN 1
7830 / 7539	DEF AT - - - - -	POS AT 1
9059 / 8713	POS AT out-of-place section	POS AT 1

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 313	Date of Summary: 01-JUN-2006	First Sample Examined: 5340
Lease Number: G24815	Source of Paleo: OPERATOR	Borehole MD: 9771
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9400
API Well Number: 177044108100	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 9771	Water Depth: 187
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9060 / 8714	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 1
9660 / 9293	DEF AT local marker benthic foram increase	DEF AT 1
9750 / 9380	DEF AT last sample examined	DEF AT 1

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 313	Date of Summary: 02-JUN-2006	First Sample Examined: 5370
Lease Number: G24815	Source of Paleo: OPERATOR	Borehole MD: 9771
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9400
API Well Number: 177044108100	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5370 - 9780	Water Depth: 187
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Firefly Prospect, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5370 / 5209	DEF AT first sample examined	DEF AT
5371 / 5209	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5610 / 5424	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
5970 / 5757	DEF AT sample gap top	DEF AT
6089 / 5871	DEF AT sample gap bottom	DEF AT
6090 / 5871	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
6450 / 6217	POS AT Lower Pliocene (Zancian) Discoaster variabilis	DEF AT
7020 / 6765	DEF AT reworked material	DEF AT
9780 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 344	Date of Summary: 20-FEB-2001	First Sample Examined: 0
Lease Number: G17878	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13847
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13442
API Well Number: 177044100400	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 308
Public Info Code: Y 05-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 / 13091	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
13680 / 13292	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
13740 / 13350	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 347	Date of Summary: 15-SEP-1999	First Sample Examined: 5510
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 15814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15600
API Well Number: 177044099600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5510 - 15814	Water Depth: 296
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 8960=salt and mixed Miocene and Oligocene nannoflora, 9800=base of salt with mixed Eocene and Oligocene flora, 10250=probably marks base of jumbled or displaced section, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5510 / 5507	DEF AT first sample examined	DEF AT
5540 / 5537	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6020 / 6014	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7190 / 7183	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7279 / 7272	DEF AT salt weld	DEF AT
7280 / 7273	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7459 / 7452	DEF AT salt weld	DEF AT
7460 / 7453	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7760 / 7753	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7850 / 7843	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7880 / 7873	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7900 / 7893	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
7940 / 7933	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8300 / 8293	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8480 / 8473	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
8630 / 8623	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
8840 / 8833	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
8960 / 8953	DEF AT salt	DEF AT
9799 / 9790	DEF AT base of salt	DEF AT
9800 / 9791	POS IN out-of-place section	DEF AT
9830 / 9821	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 347	Date of Summary: 15-SEP-1999	First Sample Examined: 5510
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 15814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15600
API Well Number: 177044099600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 5510 - 15814	Water Depth: 296
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10250 / 10234	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10760 / 10734	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11270 / 11226	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11390 / 11342	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11540 / 11486	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11930 / 11861	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11990 / 11918	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12769 / 12665	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12770 / 12666	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13100 / 12981	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
13220 / 13096	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13490 / 13355	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
15814 / 15600	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 347	Date of Summary: 17-SEP-1999	First Sample Examined: 1700
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 15814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15600
API Well Number: 177044099600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 1700 - 15814	Water Depth: 296
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT 2
2420 / 2420	DEF AT - - - - -	DEF AT 3
2510 / 2510	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4100 / 4100	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
5780 / 5776	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
6920 / 6913	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7190 / 7183	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
7399 / 7392	POS AT out-of-place section	DEF AT 5
7400 / 7393	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
7849 / 7842	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7850 / 7843	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
7880 / 7873	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
7899 / 7892	POS AT out-of-place section	DEF AT 5
7939 / 7932	POS AT out-of-place section	DEF AT 6
7940 / 7933	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
8569 / 8562	POS AT out-of-place section	DEF AT 6
8570 / 8563	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8750 / 8743	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9020 / 9013	DEF AT salt	DEF AT 6
9770 / 9761	DEF AT base of salt	DEF AT 6
9830 / 9821	DEF AT out-of-place section	DEF AT 5
10429 / 10410	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 347	Date of Summary: 17-SEP-1999	First Sample Examined: 1700
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 15814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15600
API Well Number: 177044099600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 1700 - 15814	Water Depth: 296
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10430 / 10411	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10520 / 10499	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10760 / 10734	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 5
11270 / 11226	DEF AT Lower Pliocene (Zancian) Uvigerina rustica	DEF AT 5
11299 / 11254	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 6
11300 / 11255	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 6
11480 / 11428	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 6
11630 / 11573	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11960 / 11890	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12170 / 12091	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
12680 / 12580	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12769 / 12665	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
12770 / 12666	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13190 / 13067	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13430 / 13297	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
13610 / 13470	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
13760 / 13614	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 5
13820 / 13672	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 5
14090 / 13932	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
14720 / 14544	DEF AT local marker deep water fauna	DEF AT 6
15139 / 14947	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF AT 6
15140 / 14948	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
15200 / 15006	POS AT local marker foram decrease	DEF AT 5
15260 / 15064	DEF AT Bathysiphon fauna	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 347	Date of Summary: 17-SEP-1999	First Sample Examined: 1700
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 15814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15600
API Well Number: 177044099600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 1700 - 15814	Water Depth: 296
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15710 / 15499	DEF AT local marker foram decrease	DEF AT 5
15770 / 15558	POS AT Upper Oligocene (Chattian) Bolivina perca	DEF AT 5
15800 / 15587	POS AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF AT 5
15814 / 15600	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 347	Date of Summary: 22-OCT-1999	First Sample Examined: 9125
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 14313
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12532
API Well Number: 177044099601	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 9125 - 14320	Water Depth: 298
Public Info Code: Y 06-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9125 / 9118	DEF AT first sample examined	DEF AT
9126 / 9119	DEF IN salt	DEF AT
9520 / 9507	DEF AT base of salt	DEF AT 4
9700 / 9676	DEF IN out-of-place section	DEF AT 4
9970 / 9914	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10000 / 9940	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
11470 / 10849	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
11500 / 10864	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12760 / 11505	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
13430 / 11911	DEF AT Eggerella sp. (local marker)	DEF AT 4
14320 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 347	Date of Summary: 22-OCT-1999	First Sample Examined: 9125
Lease Number: G14383	Source of Paleo: OPERATOR	Borehole MD: 14313
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12532
API Well Number: 177044099601	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 9125 - 14320	Water Depth: 298
Public Info Code: Y 06-OCT-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, the interval from 10254 to 12800 is based on sidewall cores, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9125 / 9118	DEF AT first sample examined	DEF AT
9126 / 9119	DEF IN salt	DEF AT
12800 / 11528	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
12970 / 11627	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
14320 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 369	Date of Summary: 09-MAY-2001	First Sample Examined: 0
Lease Number: G21585	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6142
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5459
API Well Number: 177044102101	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 338
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4930 / 4477	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5587 / 5010	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 369	Date of Summary: 14-NOV-2001	First Sample Examined: 0
Lease Number: G21585	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7926
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5500
API Well Number: 177044102300	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 344
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4681 / 3971	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT
7110 / 5099	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 379	Date of Summary: 27-MAR-2003	First Sample Examined: 9990
Lease Number: G12856	Source of Paleo: OPERATOR	Borehole MD: 11419
Well Name: 003	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 9441
API Well Number: 177044103801	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 9990 - 11430	Water Depth: 437
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
9990 / 8161	DEF AT first sample examined	DEF AT 2
10290 / 8424	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
10320 / 8451	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10470 / 8585	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	POS AT 4
10500 / 8612	DEF AT faunal change (no faunal increase)	DEF AT 3
10530 / 8639	POS AT local marker foram increase	POS AT 4
10590 / 8692	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 4
10619 / 8718	DEF AT foram flood	DEF AT 5
10620 / 8719	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10650 / 8746	DEF AT faunal change (no faunal increase)	POS AT 4
10710 / 8800	DEF AT faunal change (no faunal increase)	DEF AT 4
10830 / 8908	DEF AT local marker deep water fauna	DEF AT 5
10980 / 9044	DEF AT faunal change (no faunal increase)	DEF AT 4
11010 / 9071	DEF AT faunal change (no faunal increase)	DEF AT 3
11130 / 9179	DEF AT faunal change (no faunal increase)	POS AT 4
11160 / 9206	DEF AT faunal change (no faunal increase)	DEF AT 3
11190 / 9233	DEF AT faunal change (no faunal increase)	DEF IN 3
11310 / 9342	DEF AT faunal change (no faunal increase)	POS AT 4
11370 / 9396	DEF AT faunal change (no faunal increase)	DEF IN 3
11430 /	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 379	Date of Summary: 22-APR-2003	First Sample Examined: 9960
Lease Number: G12856	Source of Paleo: OPERATOR	Borehole MD: 11419
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9441
API Well Number: 177044103801	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 9960 - 11100	Water Depth: 437
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9960 / 8135	DEF AT first sample examined	DEF AT
10290 / 8424	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10920 / 8990	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11100 / 9152	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 379	Date of Summary: 27-MAR-2003	First Sample Examined: 11400
Lease Number: G12856	Source of Paleo: OPERATOR	Borehole MD: 14618
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12397
API Well Number: 177044103802	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 11400 - 14610	Water Depth: 437
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
11400 / 9428	DEF AT first sample examined	DEF IN 3
11500 / 9520	DEF AT faunal change (no faunal increase)	POS AT 4
11530 / 9547	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
11550 / 9566	DEF AT faunal change (no faunal increase)	POS AT 4
11670 / 9675	DEF AT faunal change (no faunal increase)	DEF AT 4
11730 / 9730	DEF AT faunal change (no faunal increase)	DEF AT 5
11760 / 9757	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11940 / 9921	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11970 / 9948	DEF AT faunal change (no faunal increase)	DEF AT 5
12030 / 10003	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF AT 4
12150 / 10112	DEF IN Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 4
12270 / 10222	DEF AT local marker planktic foram increase	DEF AT 5
12480 / 10415	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
12600 / 10524	DEF AT faunal change (no faunal increase)	DEF AT 4
12690 / 10607	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12750 / 10662	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
12780 / 10689	DEF AT faunal change (no faunal increase)	DEF AT 4
12810 / 10716	DEF AT faunal change (no faunal increase)	DEF AT 5
12840 / 10744	DEF AT faunal change (no faunal increase)	DEF AT 4
12960 / 10854	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12990 / 10881	DEF AT faunal change (no faunal increase)	DEF AT 4
13080 / 10963	DEF AT faunal change (no faunal increase)	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 379	Date of Summary: 27-MAR-2003	First Sample Examined: 11400
Lease Number: G12856	Source of Paleo: OPERATOR	Borehole MD: 14618
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12397
API Well Number: 177044103802	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 11400 - 14610	Water Depth: 437
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
13110 / 10990	DEF AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT 5
13140 / 11018	DEF AT Lower Pliocene (Zancian) Sphaeroidinellopsis multiloba	DEF AT 5
13200 / 11073	DEF AT faunal change (no faunal increase)	DEF AT 4
13230 / 11100	DEF AT faunal change (no faunal increase)	DEF AT 5
13290 / 11155	DEF AT faunal change (no faunal increase)	DEF AT 4
13410 / 11265	DEF AT local marker planktic foram increase	DEF AT 4
13470 / 11319	DEF AT faunal change (no faunal increase)	DEF AT 5
13500 / 11347	DEF AT faunal change (no faunal increase)	DEF AT 4
13590 / 11429	DEF AT local marker planktic foram increase	DEF AT 4
13620 / 11457	DEF AT faunal change (no faunal increase)	DEF AT 5
13770 / 11598	DEF AT faunal change (no faunal increase)	DEF AT 4
13830 / 11654	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
13860 / 11682	DEF AT faunal change (no faunal increase)	DEF AT 5
14040 / 11852	DEF AT faunal change (no faunal increase)	DEF IN 3
14280 / 12078	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 3
14340 / 12134	DEF AT faunal change (no faunal increase)	DEF AT 4
14430 / 12219	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
14600 / 12379	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 379	Date of Summary: 22-APR-2003	First Sample Examined: 11880
Lease Number: G12856	Source of Paleo: OPERATOR	Borehole MD: 14618
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12397
API Well Number: 177044103802	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 11880 - 14610	Water Depth: 437
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11880 / 9866	DEF AT first sample examined	DEF AT
11940 / 9921	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12030 / 10003	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12120 / 10085	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13500 / 11347	DEF AT sample gap top	DEF AT
13800 / 11626	DEF AT sample gap bottom	DEF AT
14610 / 12389	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 16-JUL-1998	First Sample Examined: 0
Lease Number: G15161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13970
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13554
API Well Number: 177044099002	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 446
Public Info Code: Y 05-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4820 / 4820	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
8969 / 8961	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
9760 / 9711	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
10950 / 10831	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 26-OCT-1998	First Sample Examined: 5000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 11906
Well Name: A004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8676
API Well Number: 177044099200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 5000 - 11750	Water Depth: 446
Public Info Code: Y 09-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Barite South Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5000 / 4388	DEF AT first sample examined	DEF AT
5001 / 4388	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
5900 / 4941	DEF AT local marker floral increase	DEF AT
8180 / 6358	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9020 / 6878	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9440 / 7142	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11750 / 8579	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 02-NOV-1998	First Sample Examined: 5000
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 11906
Well Name: A004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8676
API Well Number: 177044099200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 5000 - 11720	Water Depth: 446
Public Info Code: Y 09-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Barite South Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5000 / 4388	DEF AT first sample examined	DEF IN 1
5001 / 4388	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 1
5390 / 4624	POS AT local marker foram increase	DEF AT 2
5870 / 4922	DEF AT faunal change (no faunal increase)	DEF IN 2
5900 / 4941	DEF AT local marker foram increase	DEF IN 2
6260 / 5164	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
6410 / 5253	DEF AT faunal change (no faunal increase)	DEF AT 2
6440 / 5271	DEF AT local marker foram increase	DEF AT 2
7430 / 5890	POS AT local marker foram increase	DEF AT 2
7610 / 6004	DEF AT local marker foram increase	DEF AT 2
8900 / 6803	DEF AT pyrite	DEF AT 2
9170 / 6972	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 2
9260 / 7029	DEF AT local marker benthic foram increase	DEF IN 2
9380 / 7104	DEF AT local marker foram increase	DEF IN 2
9440 / 7142	DEF AT local marker foram increase	DEF IN 2
10400 / 7741	DEF AT - - - -	DEF AT 2
10640 / 7891	DEF AT local marker benthic foram increase	DEF AT 2
10910 / 8061	DEF AT - - - -	DEF IN 1
10940 / 8079	DEF AT local marker benthic foram increase	DEF IN 1
11420 / 8375	DEF AT local marker foram increase	DEF AT 2
11600 / 8486	DEF AT local marker benthic foram increase	DEF AT 2
11720 / 8560	DEF AT last sample examined	DEF IN 1

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 26-OCT-1998	First Sample Examined: 11750
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 14570
Well Name: A004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10373
API Well Number: 177044099201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 11750 - 14540	Water Depth: 446
Public Info Code: Y 09-NOV-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Barite South Prospect, no diagnostic coccolith markers observed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11780 / 8608	DEF AT first sample examined	DEF AT
14540 / 10354	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 02-NOV-1998	First Sample Examined: 11750
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 14570
Well Name: A004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10373
API Well Number: 177044099201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 11750 - 14540	Water Depth: 446
Public Info Code: Y 09-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Barite South Prospect

MD / TVD	Paleo Top Description	Ecozone
11750 / 8589	DEF AT first sample examined	DEF IN 1
11900 / 8683	DEF AT - - - - -	DEF AT 2
12500 / 9059	DEF AT - - - - -	DEF IN 2
12530 / 9078	POS AT local marker foram increase	DEF IN 2
13430 / 9647	DEF AT - - - - -	DEF AT 2
14540 / 10354	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 19-OCT-1998	First Sample Examined: 0
Lease Number: G15161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11186
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 9240
API Well Number: 177044099202	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 446
Public Info Code: Y 14-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5849 / 5056	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 10-FEB-1999	First Sample Examined: 10010
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 14461
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12589
API Well Number: 177044099300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 10010 - 14210	Water Depth: 446
Public Info Code: Y 22-DEC-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Sidetrack 1 report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10010 / 9592	DEF AT first sample examined	DEF AT
10740 / 10093	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10980 / 10253	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11340 / 10495	DEF AT local marker floral increase	DEF AT
11690 / 10730	DEF AT local marker floral increase	DEF AT
14210 / 12417	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 25-FEB-1999	First Sample Examined: 10010
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 14461
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12589
API Well Number: 177044099300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 10010 - 14461	Water Depth: 446
Public Info Code: Y 22-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Sidetrack 1 report, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10010 / 9592	DEF AT first sample examined	POS AT 4
10040 / 9613	DEF AT - - - - -	DEF AT 4
10100 / 9655	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10740 / 10093	DEF AT local marker benthic foram increase	DEF AT 4
10830 / 10152	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10860 / 10172	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
10950 / 10233	DEF AT - - - - -	DEF IN 4
11490 / 10597	DEF AT local marker foram increase	DEF IN 4
11540 / 10630	DEF AT siltstone	DEF IN 4
11990 / 10927	DEF AT - - - - -	DEF AT 4
12410 / 11203	DEF AT siltstone	DEF AT 4
12440 / 11223	DEF AT - - - - -	DEF AT 4
12590 / 11322	DEF AT - - - - -	DEF IN 4
12860 / 11499	DEF AT - - - - -	DEF AT 4
13550 / 11962	DEF AT drilling material	POS AT 4
13670 / 12045	DEF AT siltstone	POS AT 4
14180 / 12397	DEF AT - - - - -	DEF IN 4
14461 / 12589	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 05-JAN-1999	First Sample Examined: 0
Lease Number: G15161	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15100
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13014
API Well Number: 177044099302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 3	Sample Range: 0 - 0	Water Depth: 446
Public Info Code: Y 21-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Depths by log correlation, per Rome Lytton (Texaco) phone call

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10680 / 10070	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
12422 / 11205	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 10-FEB-1999	First Sample Examined: 14450
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 15100
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13014
API Well Number: 177044099302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 3	Sample Range: 14450 - 15110	Water Depth: 446
Public Info Code: Y 21-JAN-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, no diagnostic coccolith markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14450 / 12568	DEF AT first sample examined	DEF AT
15110 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 25-FEB-1999	First Sample Examined: 14450
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 15100
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13014
API Well Number: 177044099302	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 3 of 3	Sample Range: 14450 - 15110	Water Depth: 446
Public Info Code: Y 21-JAN-2009	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14450 / 12568	DEF AT first sample examined	DEF AT
15100 / 13014	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 10-FEB-1999	First Sample Examined: 15160
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 16952
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14319
API Well Number: 177044099303	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 15160 - 16900	Water Depth: 446
Public Info Code: Y 17-FEB-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15160 / 13059	DEF AT first sample examined	DEF AT
15340 / 13181	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
16900 / 14281	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 25-FEB-1999	First Sample Examined: 15160
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 16952
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14319
API Well Number: 177044099303	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 15160 - 16930	Water Depth: 446
Public Info Code: Y 17-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15160 / 13059	DEF AT first sample examined	POS AT 4
15310 / 13161	DEF IN transported inner shelf facies	POS AT 4
15339 / 13180	DEF AT transported outer shelf facies	DEF AT 4
15340 / 13181	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
16750 / 14170	DEF AT local marker foram increase	DEF AT 4
16870 / 14259	DEF AT - - - -	POS AT 4
16930 / 14303	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 10-FEB-1999	First Sample Examined: 16960
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 17581
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14733
API Well Number: 177044099304	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 1 of 2	Sample Range: 16960 - 17582	Water Depth: 446
Public Info Code: Y 03-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16960 / 14297	DEF AT first sample examined	DEF AT
17140 / 14421	POS AT local marker floral increase	DEF AT
17380 / 14590	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17558 / 14717	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EC 381	Date of Summary: 25-FEB-1999	First Sample Examined: 16960
Lease Number: G15161	Source of Paleo: OPERATOR	Borehole MD: 17581
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 14733
API Well Number: 177044099304	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 133
Paleo Report Num: 2 of 2	Sample Range: 16960 - 17582	Water Depth: 446
Public Info Code: Y 03-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
16960 / 14297	DEF AT first sample examined	POS	AT	4
17050 / 14359	DEF AT - - - - -	DEF	AT	4
17582 /	DEF AT last sample examined	DEF	AT	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 28	Date of Summary: 03-APR-2000	First Sample Examined: 0
Lease Number: G05479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12408
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12105
API Well Number: 177094127100	Drilling Operator: JUNIPER ENERGY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 15
Public Info Code: Y 10-APR-2010	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12099 / 11819	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 29	Date of Summary: 10-MAY-2004	First Sample Examined: 5000
Lease Number: G23854	Source of Paleo: OPERATOR	Borehole MD: 17595
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16163
API Well Number: 177094140300	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 5000 - 17490	Water Depth: 15
Public Info Code: Y 02-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5000 / 5000	DEF AT first sample examined	DEF AT 1
7340 / 7340	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 2
9140 / 9140	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
9230 / 9230	DEF AT faunal change (no faunal increase)	POS AT 3
9860 / 9860	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
10400 / 10400	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
10520 / 10520	DEF AT faunal change (no faunal increase)	DEF AT 4
10640 / 10639	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11800 / 11796	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 4
11860 / 11855	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13010 / 12928	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
13070 / 12977	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
13160 / 13049	DEF AT faunal change (no faunal increase)	DEF AT 5
13880 / 13583	DEF AT sample gap top	POS AT 5
13999 / 13668	DEF AT sample gap bottom	DEF AT 5
14000 / 13669	POS IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
14330 / 13905	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
14360 / 13927	DEF AT faunal change (no faunal increase)	DEF AT 6
14670 / 14148	DEF AT faunal change (no faunal increase)	DEF AT 5
14910 / 14311	DEF AT faunal change (no faunal increase)	DEF AT 4
15150 / 14466	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
15840 / 14951	DEF AT faunal change (no faunal increase)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 29	Date of Summary: 10-MAY-2004	First Sample Examined: 5000
Lease Number: G23854	Source of Paleo: OPERATOR	Borehole MD: 17595
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16163
API Well Number: 177094140300	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 5000 - 17490	Water Depth: 15
Public Info Code: Y 02-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16500 / 15417	DEF AT faunal change (no faunal increase)	DEF AT 4
17190 / 15889	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
17490 / 16087	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 39	Date of Summary: 23-FEB-2000	First Sample Examined: 11010
Lease Number: G15239	Source of Paleo: OPERATOR	Borehole MD: 15067
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15062
API Well Number: 177094126901	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 11010 - 15067	Water Depth: 10
Public Info Code: Y 20-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 13430=rare Gyroidina scalata

MD / TVD	Paleo Top Description	Ecozone
11010 / 11008	DEF AT first sample examined	DEF AT 3
11011 / 11009	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
11930 / 11926	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
12470 / 12466	DEF AT - - - - -	DEF AT 4
13430 / 13425	POS AT local marker (general)	DEF AT 4
14060 / 14055	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
14840 / 14835	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
15067 / 15062	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 39	Date of Summary: 29-DEC-1999	First Sample Examined: 7000
Lease Number: G15239	Source of Paleo: OPERATOR	Borehole MD: 15876
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15869
API Well Number: 177094126200	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 7000 - 15880	Water Depth: 9
Public Info Code: Y 18-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7000 / 6999	DEF AT first sample examined	DEF AT 1
8290 / 8289	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 2
9010 / 9009	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
10180 / 10179	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10990 / 10989	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
11050 / 11049	DEF AT - - - - -	DEF AT 3
12070 / 12068	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
12880 / 12878	DEF AT - - - - -	DEF AT 4
14470 / 14466	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 4
14740 / 14736	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
15880 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 44	Date of Summary: 15-SEP-1999	First Sample Examined: 0
Lease Number: G19784	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11840
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11801
API Well Number: 177094125800	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 17
Public Info Code: Y 20-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7720 / 7720	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8240 / 8240	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9608 / 9594	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
10260 / 10230	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
11154 / 11117	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 53	Date of Summary: 03-DEC-1998	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14737
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 14504
API Well Number: 177094121101	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 28-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10285 / 10279	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11390 / 11343	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12850 / 12734	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
14050 / 13849	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 53	Date of Summary: 29-DEC-1998	First Sample Examined: 0
Lease Number: 00479	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12896
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 12825
API Well Number: 177094122600	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 20
Public Info Code: Y 04-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10650 / 10647	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11292 / 11284	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12612 / 12552	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
12753 / 12688	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 71	Date of Summary: 12-NOV-1998	First Sample Examined: 0
Lease Number: G12906	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10610
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 10609
API Well Number: 177094123000	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 19-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9350 / 9349	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 71	Date of Summary: 13-JAN-1999	First Sample Examined: 0
Lease Number: G12906	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14076
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13023
API Well Number: 177094109401	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 16-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9256 / 9249	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10560 / 10501	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 113B	Date of Summary: 22-OCT-2004	First Sample Examined: 19830
Lease Number: G22662	Source of Paleo: OPERATOR	Borehole MD: 22361
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22115
API Well Number: 177094141201	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 19830 - 22320	Water Depth: 53
Public Info Code: Y 01-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19830 / 19825	DEF AT first sample examined	DEF AT 3
19831 / 19826	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
20280 / 20273	DEF AT faunal change (no faunal increase)	DEF AT 4
20369 / 20360	DEF AT reworked material	DEF AT 4
20370 / 20361	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
21510 / 21434	DEF AT faunal change (no faunal increase)	DEF AT 3
22320 / 22084	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 118	Date of Summary: 28-DEC-1999	First Sample Examined: 0
Lease Number: G15242	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19725
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17710
API Well Number: 177094122800	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 10-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16315 / 15718	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 7850
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 15103
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15090
API Well Number: 177094129000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7850 - 15100	Water Depth: 35
Public Info Code: Y 29-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7850 / 7848	DEF AT first sample examined	DEF AT 1
7880 / 7878	DEF AT local marker benthic foram increase	DEF AT 1
8900 / 8898	DEF AT shell fragments	DEF AT 1
9020 / 9018	DEF AT local marker (general)	DEF AT 1
9200 / 9198	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 1
9710 / 9708	DEF AT shell fragments	DEF AT 1
9950 / 9948	DEF AT local marker benthic foram increase	DEF AT 1
10040 / 10038	DEF AT pyrite	DEF AT 1
10190 / 10188	DEF AT Arenaceous fauna (local marker)	DEF AT 1
10400 / 10398	DEF AT shell fragments	DEF AT 1
10640 / 10638	POS AT reworked material	DEF AT 1
10880 / 10878	DEF AT pyrite	DEF AT 1
10969 / 10967	POS AT unconformity	DEF AT 4
10970 / 10968	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11030 / 11028	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11059 / 11057	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
11060 / 11058	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
11090 / 11088	DEF AT local marker foram increase	DEF AT 4
11180 / 11178	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
11240 / 11238	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF IN 3
11420 / 11418	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
11480 / 11478	DEF AT pyrite	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 7850
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 15103
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15090
API Well Number: 177094129000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7850 - 15100	Water Depth: 35
Public Info Code: Y 29-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11600 / 11598	DEF AT Arenaceous fauna (local marker)	DEF AT 3
11660 / 11658	DEF AT sand	DEF IN 2
11845 / 11843	DEF AT sample gap top	DEF IN 2
11990 / 11988	DEF AT sample gap bottom	DEF AT 2
12140 / 12138	DEF AT local marker benthic foram increase	DEF AT 2
12500 / 12497	DEF AT - - - - -	DEF IN 1
12650 / 12647	DEF AT - - - - -	DEF AT 2
12680 / 12677	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
12770 / 12767	DEF AT - - - - -	DEF IN 1
12920 / 12917	DEF AT - - - - -	DEF AT 2
13010 / 13007	DEF AT sand	DEF AT 2
13070 / 13066	DEF AT sand	DEF IN 1
13190 / 13186	DEF AT - - - - -	DEF AT 2
13250 / 13246	DEF AT local marker benthic foram increase	DEF IN 2
13279 / 13275	POS AT unconformity	POS AT 3
13280 / 13276	DEF AT local marker foram increase	POS AT 3
13310 / 13306	DEF AT local marker benthic foram increase	DEF IN 3
13370 / 13366	DEF AT local marker deep water fauna	DEF IN 3
13550 / 13546	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF IN 3
13760 / 13755	DEF AT - - - - -	DEF AT 3
13820 / 13815	DEF AT Eggerella 3 (local marker)	DEF AT 3
13848 / 13843	POS AT unconformity	DEF IN 3
13849 / 13844	DEF AT local marker planktic foram increase	DEF IN 3
13850 / 13845	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 7850
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 15103
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15090
API Well Number: 177094129000	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 7850 - 15100	Water Depth: 35
Public Info Code: Y 29-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13940 / 13935	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 3
14150 / 14144	DEF AT - - - - -	DEF AT 3
14330 / 14323	DEF AT local marker benthic foram increase	DEF AT 3
14390 / 14383	DEF AT Eggerella sp. (local marker)	DEF AT 3
14540 / 14532	DEF AT local marker planktic foram increase	DEF AT 3
14750 / 14740	DEF AT Upper Miocene (Tortonian) Discorbis 12	POS IN 3
14809 / 14799	DEF AT Eggerella sp. (local marker)	DEF IN 3
14810 / 14800	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS IN 3
14870 / 14859	DEF AT sand	DEF AT 3
14900 / 14889	DEF AT pyrite	DEF AT 3
15100 / 15087	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 12100
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 16250
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15553
API Well Number: 177094129001	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 12100 - 16250	Water Depth: 35
Public Info Code: Y 10-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Inverness Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12100 / 12097	DEF AT first sample examined	DEF AT
12101 / 12098	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12340 / 12334	DEF AT local marker foram increase	DEF AT 2
12520 / 12509	DEF AT local marker benthic foram increase	DEF AT 2
12610 / 12595	DEF AT pyrite	DEF AT 2
12670 / 12652	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
12790 / 12765	DEF AT - - - - -	DEF IN 1
12850 / 12821	DEF AT pyrite	DEF IN 1
13269 / 13194	POS AT unconformity	DEF AT 3
13270 / 13195	DEF AT local marker benthic foram increase	DEF AT 3
13300 / 13220	DEF AT local marker planktic foram increase	DEF AT 3
13390 / 13296	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
13450 / 13346	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
13480 / 13371	DEF AT sand	DEF IN 2
13540 / 13421	DEF AT - - - - -	DEF AT 2
13690 / 13540	DEF AT pyrite	DEF AT 2
13750 / 13588	DEF AT local marker benthic foram increase	POS AT 2
14380 / 14084	DEF AT Arenaceous fauna (local marker)	POS AT 2
14500 / 14178	DEF AT local marker benthic foram increase	POS AT 2
14619 / 14271	POS AT unconformity	POS AT 2
14620 / 14272	DEF AT pyrite	POS AT 2
14649 / 14295	DEF AT local marker planktic foram increase	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 119	Date of Summary: 01-SEP-2000	First Sample Examined: 12100
Lease Number: 00049	Source of Paleo: OPERATOR	Borehole MD: 16250
Well Name: 037	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15553
API Well Number: 177094129001	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 12100 - 16250	Water Depth: 35
Public Info Code: Y 10-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14650 / 14296	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
14770 / 14390	DEF AT pyrite	DEF AT 3
14860 / 14460	DEF AT pyrite	DEF AT 3
14980 / 14554	DEF AT Cyclammina sp. (local marker)	DEF AT 3
15100 / 14649	DEF AT - - - - -	POS AT 3
15310 / 14815	DEF AT pyrite	POS AT 3
15490 / 14957	DEF AT pyrite	POS AT 3
15520 / 14980	DEF AT sample gap top	POS AT 3
15700 / 15122	DEF AT sample gap bottom	POS AT 3
16058 / 15402	POS AT unconformity	DEF IN 3
16059 / 15403	DEF AT local marker planktic foram increase	DEF IN 3
16060 / 15404	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF IN 3
16120 / 15451	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF IN 3
16150 / 15474	DEF AT local marker planktic foram increase	DEF IN 3
16210 / 15522	DEF AT Arenaceous fauna (local marker)	DEF IN 3
16250 / 15553	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 143	Date of Summary: 13-JAN-1998	First Sample Examined: 0
Lease Number: G17973	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15904
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15687
API Well Number: 177094116600	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 04-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5100 / 5100	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8120 / 8120	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9800 / 9800	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
11480 / 11479	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
13010 / 13009	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13250 / 13249	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13340 / 13339	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14480 / 14440	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 152	Date of Summary: 13-MAR-2008	First Sample Examined: 19860
Lease Number: G27107	Source of Paleo: OPERATOR	Borehole MD: 21391
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21368
API Well Number: 177094108701	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 19860 - 21170	Water Depth: 72
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19860 /	DEF AT first sample examined	DEF AT 4
20060 /	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
20209 /	POS AT maximum flooding surface	DEF AT 4
20210 /	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
21170 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 182	Date of Summary: 30-JAN-2001	First Sample Examined: 0
Lease Number: G04452	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13668
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 12451
API Well Number: 177094062501	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 21-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13456 / 12262	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 184	Date of Summary: 05-NOV-1998	First Sample Examined: 8950
Lease Number: G05498	Source of Paleo: OPERATOR	Borehole MD: 13373
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13250
API Well Number: 177094121800	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 8950 - 13320	Water Depth: 88
Public Info Code: Y 23-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8950 / 8949	DEF AT first sample examined	DEF AT 2
9510 / 9505	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10890 / 10812	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
11940 / 11827	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3
13320 / 13194	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 184	Date of Summary: 30-SEP-1998	First Sample Examined: 0
Lease Number: G17981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13770
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13305
API Well Number: 177094121500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 88
Public Info Code: Y 12-AUG-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4830 / 4828	DEF AT - - - - -	DEF AT 2
5160 / 5158	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
6390 / 6388	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
10560 / 10343	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 2
10950 / 10698	DEF AT - - - - -	DEF AT 3
11970 / 11622	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
12480 / 12089	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 193	Date of Summary: 24-JAN-2001	First Sample Examined: 4500
Lease Number: 00572	Source of Paleo: OPERATOR	Borehole MD: 17173
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17165
API Well Number: 177094129900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4500 - 17173	Water Depth: 87
Public Info Code: Y 29-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone		
4500 / 4500	DEF AT first sample examined	POS	AT	2
4501 / 4501	DEF AT cement	POS	AT	2
5110 / 5110	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT	2
5380 / 5380	DEF AT - - - - -	DEF	AT	3
5440 / 5440	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
7460 / 7460	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	3
9560 / 9560	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF	AT	3
10520 / 10520	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF	AT	3
10910 / 10910	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF	AT	3
11810 / 11809	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	3
14780 / 14777	DEF AT - - - - -	DEF	AT	4
17173 / 17165	DEF AT last sample examined	DEF	AT	4

Start Date: 01-JAN-2008

End Date: 02-FEB-2011

Paleo for Public Release (Date Specific)

Area Block: EI 193	Date of Summary: 06-FEB-2001	First Sample Examined: 10010
Lease Number: 00572	Source of Paleo: OPERATOR	Borehole MD: 17173
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17165
API Well Number: 177094129900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 10010 - 17173	Water Depth: 87
Public Info Code: Y 29-JAN-2011	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10010 / 10010	DEF AT first sample examined	DEF AT
10340 / 10340	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10940 / 10940	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14780 / 14777	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
16820 / 16813	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
17173 / 17165	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 202	Date of Summary: 01-DEC-1998	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12996
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 12198
API Well Number: 177094122100	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 13-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11728 / 10967	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 202	Date of Summary: 14-DEC-2000	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13945
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13107
API Well Number: 177094123300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 109
Public Info Code: Y 20-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12037 / 11810	DEF AT Cyclammina cancellata (local marker)	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 202	Date of Summary: 06-MAY-1999	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13511
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 12150
API Well Number: 177094124101	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 107
Public Info Code: Y 03-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13244 / 11883	DEF AT Cyclammina cancellata (local marker)	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 202	Date of Summary: 23-MAR-2000	First Sample Examined: 0
Lease Number: G05499	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13913
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 12400
API Well Number: 177094123100	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 118
Public Info Code: Y 29-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12393 / 11199	DEF AT Cyclammina cancellata (local marker)	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 205	Date of Summary: 03-JUN-2001	First Sample Examined: 0
Lease Number: 00806	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16300
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 13134
API Well Number: 177094027302	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 22-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15050 / 12435	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15500 / 12707	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
15740 / 12847	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 224	Date of Summary: 09-APR-1999	First Sample Examined: 0
Lease Number: G05504	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15392
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 14528
API Well Number: 177094121900	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 134
Public Info Code: Y 21-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
10390 / 9933	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF AT
12210 / 11715	DEF AT Lower Pliocene (Zancian) Sigmoilina "P" / cf. schlumbergeri	DEF AT
13998 / 13446	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14430 / 13833	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 227	Date of Summary: 28-JAN-1998	First Sample Examined: 0
Lease Number: 00809	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9020
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 9012
API Well Number: 177094123800	Drilling Operator: PRIME NATURAL RESOURCES INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 125
Public Info Code: Y 23-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5970 / 5970	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
6315 / 6315	DEF AT Upper Pliocene (Piacenzian) Textularia 1	DEF AT
7610 / 7609	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
8800 / 8794	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 227	Date of Summary: 05-JAN-2001	First Sample Examined: 0
Lease Number: 00809	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9890
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9606
API Well Number: 177094130000	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 121
Public Info Code: Y 31-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7910 / 7808	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 237	Date of Summary: 16-JUN-1999	First Sample Examined: 0
Lease Number: G00981	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9140
Well Name: K007	Paleo Done By: OPERATOR	Borehole TVD: 7943
API Well Number: 177094124601	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 139
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6900 / 6037	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
8700 / 7555	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 243	Date of Summary: 06-AUG-1998	First Sample Examined: 0
Lease Number: G02898	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11978
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11100
API Well Number: 177094038301	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 13-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11200 / 10323	DEF AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 243	Date of Summary: 31-MAR-1999	First Sample Examined: 0
Lease Number: G02899	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14640
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 13404
API Well Number: 177094122700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 150
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9770 / 9769	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT
10310 / 10304	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
13700 / 12836	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14630 / 13398	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 256	Date of Summary: 07-JUL-2005	First Sample Examined: 11000
Lease Number: G02102	Source of Paleo: OPERATOR	Borehole MD: 19502
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 19208
API Well Number: 177094142701	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 11000 - 19502	Water Depth: 137
Public Info Code: Y 13-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11000 / 10923	DEF AT first sample examined	POS IN 3
11660 / 11536	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 5
11720 / 11592	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12110 / 11953	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12530 / 12344	DEF AT local marker foram increase	DEF AT 5
12560 / 12372	DEF AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT 5
12710 / 12512	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 4
12830 / 12624	DEF AT - - - - -	DEF AT 5
12890 / 12680	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
13220 / 12989	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13550 / 13300	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 5
13730 / 13472	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
14120 / 13851	DEF AT unconformity	DEF IN 5
14600 / 14324	DEF AT sample gap top	POS IN 5
14659 / 14382	DEF AT sample gap bottom	DEF IN 5
14660 / 14383	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
14899 / 14620	DEF AT transported shelf fauna	DEF AT 5
14900 / 14621	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 5
15200 / 14920	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF IN 5
15590 / 15310	DEF AT local marker foram increase	POS AT 6
15650 / 15370	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
15860 / 15580	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 256	Date of Summary: 07-JUL-2005	First Sample Examined: 11000
Lease Number: G02102	Source of Paleo: OPERATOR	Borehole MD: 19502
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 19208
API Well Number: 177094142701	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 11000 - 19502	Water Depth: 137
Public Info Code: Y 13-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15890 / 15610	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
16991 / 16711	DEF AT cement	POS AT 6
17090 / 16810	DEF AT - - - - -	DEF AT 6
17299 / 17019	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
17300 / 17020	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
17390 / 17110	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 6
17900 / 17620	DEF AT unconformity	DEF AT 6
18020 / 17740	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
18080 / 17800	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
18140 / 17860	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
18230 / 17950	DEF AT local marker foram decrease	POS AT 6
18440 / 18160	DEF AT anhydrite	POS AT 6
19070 / 18786	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	POS AT 6
19502 / 19214	DEF AT last sample examined	POS AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 267	Date of Summary: 04-OCT-2001	First Sample Examined: 0
Lease Number: 00812	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12533
Well Name: I008	Paleo Done By: OPERATOR	Borehole TVD: 10681
API Well Number: 177104152300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 176
Public Info Code: Y 11-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9740 / 8961	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11010 / 9748	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT
11900 / 10261	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 309	Date of Summary: 09-AUG-1999	First Sample Examined: 11910
Lease Number: G02608	Source of Paleo: OPERATOR	Borehole MD: 14918
Well Name: J004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8515
API Well Number: 177104150600	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 11910 - 14910	Water Depth: 220
Public Info Code: Y 30-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
11910 / 6891	DEF AT first sample examined	DEF IN 1
11931 / 6900	DEF AT -----	DEF AT 0
11940 / 6903	DEF AT -----	DEF AT 2
12120 / 6976	DEF AT local marker foram increase	DEF AT 2
12270 / 7043	DEF AT -----	DEF AT 0
12300 / 7056	DEF AT -----	DEF AT 2
12330 / 7069	DEF AT -----	DEF AT 0
12540 / 7162	DEF AT -----	DEF IN 1
12570 / 7176	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 1
12600 / 7191	DEF AT -----	DEF AT 0
12780 / 7283	DEF AT -----	DEF AT 2
13050 / 7433	DEF AT -----	DEF AT 0
13080 / 7449	DEF AT -----	DEF AT 2
13140 / 7482	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 2
13320 / 7586	DEF AT -----	DEF AT 0
13380 / 7620	DEF AT -----	DEF IN 1
13440 / 7656	DEF AT -----	DEF AT 2
13470 / 7673	DEF AT -----	DEF AT 0
13620 / 7762	DEF AT -----	DEF IN 1
13650 / 7780	DEF AT -----	DEF AT 2
13740 / 7833	DEF AT local marker foram increase	DEF AT 2
13830 / 7886	DEF IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 309	Date of Summary: 09-AUG-1999	First Sample Examined: 11910
Lease Number: G02608	Source of Paleo: OPERATOR	Borehole MD: 14918
Well Name: J004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8515
API Well Number: 177104150600	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 11910 - 14910	Water Depth: 220
Public Info Code: Y 30-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13890 / 7921	DEF AT - - - - -	DEF AT 2
13920 / 7938	DEF AT local marker foram increase	DEF AT 3
13950 / 7956	DEF AT - - - - -	DEF AT 2
14040 / 8007	DEF AT - - - - -	DEF IN 2
14220 / 8109	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 2
14310 / 8161	DEF AT local marker foram increase	DEF AT 3
14370 / 8196	DEF AT - - - - -	DEF IN 2
14460 / 8249	DEF AT transported inner shelf facies	POS AT 1
14520 / 8285	DEF AT - - - - -	DEF AT 2
14730 / 8407	DEF AT transported inner shelf facies	POS AT 1
14760 / 8424	DEF AT - - - - -	DEF AT 2
14880 / 8493	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
14910 / 8510	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 313	Date of Summary: 25-SEP-2000	First Sample Examined: 5085
Lease Number: G02608	Source of Paleo: OPERATOR	Borehole MD: 9326
Well Name: C006	Paleo Done By: OPERATOR	Borehole TVD: 7466
API Well Number: 177104133102	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 5085 - 8015	Water Depth: 227
Public Info Code: Y 02-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5085 / 5066	DEF AT first sample examined	DEF AT 2
5175 / 5149	DEF AT pyrite	DEF IN 1
5510 / 5440	DEF AT local marker foram increase	DEF IN 1
5690 / 5581	DEF AT local marker foram increase	DEF IN 1
6090 / 5830	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
6180 / 5876	DEF AT - - - - -	DEF IN 1
6275 / 5924	DEF AT - - - - -	DEF AT 2
6325 / 5950	DEF AT sand	DEF IN 1
7129 / 6353	DEF AT pyrite	DEF IN 1
7130 / 6353	DEF AT local marker foram increase	DEF IN 1
7445 / 6510	DEF AT local marker foram increase	DEF IN 2
7535 / 6553	DEF AT - - - - -	DEF AT 2
7930 / 6746	DEF AT local marker foram increase	DEF IN 2
7955 / 6759	DEF AT - - - - -	DEF AT 2
8015 / 6789	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 327	Date of Summary: 14-MAY-1998	First Sample Examined: 2000
Lease Number: G02910	Source of Paleo: OPERATOR	Borehole MD: 12229
Well Name: A015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11804
API Well Number: 177104148300	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 2000 - 12230	Water Depth: 262
Public Info Code: Y 01-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2000 / 1992	DEF AT first sample examined	DEF AT 3
2240 / 2221	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3110 / 3022	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4280 / 4100	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8000 / 7583	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
8300 / 7879	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10340 / 9915	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
10430 / 10005	DEF AT - - - - -	DEF AT 5
11000 / 10575	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11030 / 10605	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12140 / 11715	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 5
12230 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 338	Date of Summary: 09-OCT-2000	First Sample Examined: 7250
Lease Number: G02118	Source of Paleo: OPERATOR	Borehole MD: 10322
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 8139
API Well Number: 177104010403	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 7250 - 9080	Water Depth: 259
Public Info Code: Y 04-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7250 / 5848	DEF AT first sample examined	DEF AT 3
7251 / 5848	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
7252 / 5849	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 3
7400 / 5929	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF IN 3
7499 / 5986	DEF AT pyrite	DEF AT 3
7500 / 5986	DEF AT local marker foram increase	DEF AT 3
7600 / 6045	DEF AT local marker foram decrease	DEF IN 2
8000 / 6293	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 2
8050 / 6325	DEF AT limestone	DEF AT 3
8100 / 6358	DEF AT local marker benthic foram increase	DEF AT 3
8150 / 6391	DEF AT pyrite	DEF AT 3
8250 / 6457	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
8450 / 6595	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
8550 / 6666	DEF AT local marker foram decrease	DEF IN 2
8750 / 6809	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 2
8800 / 6846	DEF AT local marker benthic foram increase	DEF AT 3
8850 / 6884	DEF AT local marker benthic foram increase	DEF IN 2
8900 / 6922	DEF AT local marker benthic foram increase	DEF IN 2
9050 / 7040	DEF AT faunal change (no faunal increase)	DEF IN 2
9080 / 7064	DEF AT last sample examined	DEF IN 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 338	Date of Summary: 17-AUG-2000	First Sample Examined: 6100
Lease Number: G02118	Source of Paleo: OPERATOR	Borehole MD: 9114
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 8046
API Well Number: 177104010601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 6100 - 8800	Water Depth: 250
Public Info Code: Y 30-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6100 / 5270	DEF AT first sample examined	DEF AT 2
6101 / 5271	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 2
6325 / 5466	POS AT local marker foram increase	DEF IN 2
6460 / 5587	DEF AT local marker foram decrease	DEF AT 2
6550 / 5669	DEF AT faunal change (no faunal increase)	DEF IN 2
6595 / 5710	DEF AT local marker foram increase	DEF IN 2
6730 / 5835	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 2
6775 / 5876	DEF AT faunal change (no faunal increase)	DEF AT 3
6950 / 6037	DEF AT local marker (general)	DEF AT 2
7000 / 6083	DEF AT local marker foram decrease	DEF AT 2
7090 / 6166	DEF AT local marker benthic foram increase	DEF AT 2
7225 / 6290	DEF AT local marker foram decrease	DEF IN 2
7945 / 6956	DEF AT local marker foram increase	DEF AT 3
8080 / 7078	DEF AT shell fragments	DEF AT 3
8125 / 7119	DEF AT local marker foram decrease	DEF AT 3
8215 / 7200	DEF AT - - - -	DEF IN 2
8395 / 7366	DEF AT local marker foram increase	DEF IN 2
8440 / 7408	DEF AT local marker foram decrease	DEF IN 2
8485 / 7450	DEF AT faunal change (no faunal increase)	DEF AT 2
8620 / 7577	DEF AT local marker benthic foram increase	DEF AT 2
8710 / 7661	DEF AT local marker (general)	DEF IN 2
8755 / 7704	DEF AT local marker foram decrease	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 338	Date of Summary: 17-AUG-2000	First Sample Examined: 6100
Lease Number: G02118	Source of Paleo: OPERATOR	Borehole MD: 9114
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 8046
API Well Number: 177104010601	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 6100 - 8800	Water Depth: 250
Public Info Code: Y 30-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8800 / 7747	DEF AT last sample examined	DEF IN 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 339	Date of Summary: 25-NOV-1997	First Sample Examined: 0
Lease Number: G02118	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7057
Well Name: B012	Paleo Done By: OPERATOR	Borehole TVD: 5792
API Well Number: 177104034305	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 269
Public Info Code: Y 16-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2650 / 2524	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5020 / 4295	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 339	Date of Summary: 20-MAY-1998	First Sample Examined: 10130
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: C017	Paleo Done By: OPERATOR	Borehole TVD: 7334
API Well Number: 177104148801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 126
Paleo Report Num: 1 of 2	Sample Range: 10130 - 10860	Water Depth: 268
Public Info Code: Y 10-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10130 / 6704	DEF AT first sample examined	DEF AT 2
10280 / 6829	DEF AT local marker foram increase	DEF AT 2
10550 / 7063	DEF AT local marker foram increase	DEF AT 2
10580 / 7090	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
10770 / 7259	DEF AT faunal change (no faunal increase)	DEF AT 2
10860 /	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 339	Date of Summary: 01-JUN-1998	First Sample Examined: 10280
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: C017	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7334
API Well Number: 177104148801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 126
Paleo Report Num: 2 of 2	Sample Range: 10280 - 10580	Water Depth: 268
Public Info Code: Y 10-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
10280 / 6829	DEF AT first sample examined	DEF AT
10281 / 6830	DEF AT reworked material	DEF AT
10579 / 7089	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10580 / 7090	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 339	Date of Summary: 30-APR-1998	First Sample Examined: 7020
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 8788
Well Name: C019	Paleo Done By: OPERATOR	Borehole TVD: 7198
API Well Number: 177104149201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 7020 - 8790	Water Depth: 268
Public Info Code: Y 28-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7020 / 5508	DEF AT first sample examined	DEF AT 3
7030 / 5517	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
7180 / 5654	DEF AT faunal change (no faunal increase)	DEF IN 2
7330 / 5794	DEF AT local marker foram increase	DEF IN 2
8580 / 6996	DEF AT drilling material	DEF IN 2
8710 / 7123	DEF AT siltstone	DEF IN 2
8760 / 7171	DEF AT local marker foram increase	DEF IN 2
8790 / 7200	DEF AT last sample examined	DEF IN 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 14-JUN-1999	First Sample Examined: 1500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15518
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15518
API Well Number: 177104149900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 1500 - 15510	Water Depth: 327
Public Info Code: Y 10-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1500 / 1500	DEF AT first sample examined	DEF AT 2
1890 / 1890	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
2250 / 2250	DEF AT - - - - -	DEF AT 3
4320 / 4320	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5370 / 5370	DEF AT - - - - -	DEF AT 4
6750 / 6750	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11280 / 11280	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11640 / 11640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
11700 / 11699	DEF AT - - - - -	DEF AT 5
12150 / 12149	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12300 / 12299	DEF AT - - - - -	DEF AT 6
12420 / 12419	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
12540 / 12539	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13260 / 13257	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
14040 / 14035	DEF AT - - - - -	DEF AT 5
14310 / 14304	DEF AT - - - - -	DEF AT 4
15510 / 15503	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 14-JUN-1999	First Sample Examined: 1500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15518
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15518
API Well Number: 177104149900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 1500 - 15510	Water Depth: 327
Public Info Code: Y 10-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1500 / 1500	DEF AT first sample examined	DEF AT
2220 / 2220	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2400 / 2400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5400 / 5400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6720 / 6720	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6840 / 6840	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8940 / 8940	DEF AT sample gap top	DEF AT
9030 / 9030	DEF AT sample gap bottom	DEF AT
10140 / 10140	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11100 / 11100	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11610 / 11610	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11640 / 11640	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12060 / 12059	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
12090 / 12089	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
12240 / 12239	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
12360 / 12359	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15480 / 15473	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15510 / 15503	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 14-JUN-1999	First Sample Examined: 11020
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14145
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13133
API Well Number: 177104149901	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 2	Sample Range: 11020 - 14110	Water Depth: 325
Public Info Code: Y 28-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
11020 / 11020	DEF AT first sample examined	DEF AT 4
11230 / 11229	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
11650 / 11627	DEF AT - - - - -	DEF AT 5
11770 / 11731	DEF AT Lower Pliocene (Zancian) Buccella (Eponides) hannai (acme)	DEF AT 5
12550 / 12279	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 5
13029 / 12538	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
13030 / 12538	POS IN Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 5
14110 / 13115	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 14-JUN-1999	First Sample Examined: 11020
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14145
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13133
API Well Number: 177104149901	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 95
Paleo Report Num: 2 of 2	Sample Range: 11020 - 14110	Water Depth: 325
Public Info Code: Y 28-JUN-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11020 / 11020	DEF AT first sample examined	DEF AT
11080 / 11080	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11560 / 11545	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11650 / 11627	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11920 / 11855	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13030 / 12538	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13090 / 12570	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
14110 / 13115	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 16-JUL-1999	First Sample Examined: 11020
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 16511
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14435
API Well Number: 177104149902	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 11020 - 16511	Water Depth: 327
Public Info Code: Y 05-AUG-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11020 / 11020	DEF AT first sample examined	DEF AT
11080 / 11079	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11560 / 11541	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11590 / 11569	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11830 / 11780	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11920 / 11855	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12220 / 12088	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12221 / 12089	POS AT salt weld	DEF AT
12250 / 12109	POS IN salt weld	DEF AT
12251 / 12110	DEF AT out-of-place section	DEF AT
12640 / 12349	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15880 / 14064	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16060 / 14167	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16511 / 14435	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 19-JUL-1999	First Sample Examined: 11020
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 16511
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14435
API Well Number: 177104149902	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 11020 - 16511	Water Depth: 327
Public Info Code: Y 05-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11020 / 11020	DEF AT first sample examined	DEF AT 4
11110 / 11109	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11559 / 11540	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11560 / 11541	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
11860 / 11805	DEF AT faunal change (no faunal increase)	DEF AT 5
12040 / 11952	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12220 / 12088	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
12640 / 12349	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12910 / 12484	DEF AT faunal change (no faunal increase)	DEF AT 5
15400 / 13796	DEF AT faunal change (no faunal increase)	DEF AT 6
16511 / 14435	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 30-AUG-1999	First Sample Examined: 8520
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15755
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 15380
API Well Number: 177104150500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 8520 - 15755	Water Depth: 318
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 14370=oldest age-diagnostic species may indicate reverse age section, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8520 / 8259	DEF AT first sample examined	DEF AT
8820 / 8536	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10170 / 9807	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10770 / 10398	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10980 / 10607	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11880 / 11505	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12120 / 11745	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12270 / 11895	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12300 / 11925	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12360 / 11985	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12480 / 12105	DEF AT salt	DEF AT
14250 / 13875	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
14370 / 13995	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
14670 / 14295	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
15150 / 14774	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15480 / 15104	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15754 / 15378	POS IN Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
15755 / 15379	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 01-SEP-1999	First Sample Examined: 8520
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15755
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15380
API Well Number: 177104150500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 8520 - 15755	Water Depth: 318
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Interval between 14670 and 15755 in the well may indicate reverse age section, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8520 / 8259	DEF AT first sample examined	DEF AT 4
9390 / 9063	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10920 / 10547	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11820 / 11445	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
12150 / 11775	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12300 / 11925	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
12659 / 12284	DEF AT anhydrite	DEF AT 5
12660 / 12285	DEF AT salt	DEF AT 5
13830 / 13455	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
14250 / 13875	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
14310 / 13935	DEF AT base of salt	DEF AT 5
14670 / 14295	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
14940 / 14565	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
15480 / 15104	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15540 / 15164	DEF AT faunal change (no faunal increase)	DEF AT 6
15755 / 15379	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 17-JUL-2000	First Sample Examined: 1860
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 21756
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20000
API Well Number: 177104151900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 1860 - 21750	Water Depth: 314
Public Info Code: Y 15-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1860 / 1860	DEF AT first sample examined	DEF AT 4
1890 / 1890	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
1920 / 1920	DEF AT - - - - -	DEF AT 3
3780 / 3780	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6120 / 6120	DEF AT - - - - -	DEF AT 4
7560 / 7550	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10020 / 9864	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
10290 / 10118	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
10500 / 10317	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
10590 / 10401	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11370 / 11139	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11460 / 11225	DEF AT - - - - -	DEF AT 6
11490 / 11254	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11670 / 11425	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
13410 / 13055	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
18660 / 17346	DEF AT local marker planktic foram increase	DEF AT 6
19200 / 17782	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
21510 / 19772	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
21750 / 19994	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 17-JUL-2000	First Sample Examined: 1860
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 21756
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20000
API Well Number: 177104151900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 1860 - 21750	Water Depth: 314
Public Info Code: Y 15-JUL-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1860 / 1860	DEF AT first sample examined	DEF AT
2160 / 2160	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
2550 / 2550	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4770 / 4770	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6300 / 6300	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7560 / 7550	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7830 / 7811	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9660 / 9526	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10110 / 9948	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10199 / 10032	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10200 / 10033	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11340 / 11111	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11400 / 11168	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13590 / 13217	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
16860 / 15901	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
18690 / 17370	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18930 / 17564	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
19230 / 17806	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20880 / 19198	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21750 / 19994	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 3500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11825
API Well Number: 177104149100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3500 - 11833	Water Depth: 314
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3500 / 3500	DEF AT first sample examined	DEF AT 2
4670 / 4670	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6230 / 6230	DEF AT - - - -	DEF AT 4
7430 / 7430	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
7520 / 7520	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9200 / 9199	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
9440 / 9439	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9470 / 9469	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9710 / 9709	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
9740 / 9739	DEF AT - - - -	DEF AT 5
9770 / 9769	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10070 / 10069	DEF AT - - - -	DEF AT 6
10880 / 10879	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10910 / 10909	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11150 / 11149	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11660 / 11650	POS AT local marker planktic foram increase	DEF AT 6
11833 / 11817	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 3500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11825
API Well Number: 177104149100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3500 - 11833	Water Depth: 314
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
3500 / 3500	DEF AT first sample examined	DEF AT
3830 / 3830	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4730 / 4730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6470 / 6470	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7550 / 7550	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7790 / 7790	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9200 / 9199	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9380 / 9379	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9440 / 9439	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9470 / 9469	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
9740 / 9739	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9800 / 9799	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9980 / 9979	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10070 / 10069	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10400 / 10399	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11000 / 10999	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11330 / 11328	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11833 / 11817	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 11300
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14350
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14264
API Well Number: 177104149101	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 11300 - 14360	Water Depth: 314
Public Info Code: Y 23-AUG-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 / 11299	DEF AT first sample examined	DEF AT
12410 / 12391	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
13070 / 13036	DEF AT sample gap top	DEF AT
13190 / 13152	DEF AT sample gap bottom	DEF AT
14330 / 14246	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
14360 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 11300
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14350
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14264
API Well Number: 177104149101	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 11300 - 14360	Water Depth: 314
Public Info Code: Y 23-AUG-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11300 / 11299	DEF AT first sample examined	DEF AT
11301 / 11300	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12050 / 12038	DEF AT local marker floral increase	DEF AT
13970 / 13901	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14150 / 14074	DEF AT condensed section	DEF AT
14239 / 14159	DEF AT salt weld	DEF AT
14240 / 14160	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14360 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 3800
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11627
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11353
API Well Number: 177104149600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3800 - 11720	Water Depth: 314
Public Info Code: Y 15-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3800 / 3800	DEF AT first sample examined	DEF AT 2
4700 / 4700	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
4730 / 4730	DEF AT faunal change (no faunal increase)	DEF AT 3
6110 / 6110	DEF AT faunal change (no faunal increase)	DEF AT 4
7580 / 7580	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9350 / 9341	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
9380 / 9370	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9710 / 9685	DEF AT faunal change (no faunal increase)	DEF AT 5
9950 / 9907	POS AT local marker (general)	DEF AT 5
9951 / 9908	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
10100 / 10042	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10340 / 10250	DEF AT faunal change (no faunal increase)	DEF AT 6
11450 / 11202	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11720 /	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 7010
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11627
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11353
API Well Number: 177104149600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 7010 - 11700	Water Depth: 314
Public Info Code: Y 15-JAN-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7010 / 7010	DEF AT first sample examined	DEF AT
7490 / 7490	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7820 / 7820	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9290 / 9283	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9350 / 9341	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9380 / 9370	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9410 / 9399	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9950 / 9907	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10040 / 9988	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
10250 / 10172	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
10340 / 10250	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
11120 / 10917	POS AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
11700 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 11720
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15255
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14479
API Well Number: 177104149601	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 11720 - 15255	Water Depth: 314
Public Info Code: Y 13-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11720 / 11432	DEF AT first sample examined	DEF AT 6
11990 / 11661	DEF AT Lower Pliocene (Zancian) Sphaeroidinellopsis multiloba	DEF AT 6
12050 / 11712	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12200 / 11840	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12740 / 12305	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13940 / 13347	DEF AT local marker planktic foram increase	DEF AT 5
14270 / 13631	DEF AT Eggerella sp. (local marker)	DEF AT 5
14720 / 14017	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14839 / 14119	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
14840 / 14120	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14869 / 14145	DEF AT Bathysiphon fauna	DEF AT 5
14870 / 14146	DEF AT local marker benthic foram increase	DEF AT 5
15170 / 14406	DEF AT Bathysiphon fauna	DEF AT 5
15200 / 14432	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
15255 / 14480	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 11780
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 15255
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14479
API Well Number: 177104149601	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 11780 - 15255	Water Depth: 314
Public Info Code: Y 13-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11780 / 11483	DEF AT first sample examined	DEF AT
11990 / 11661	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12020 / 11687	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12080 / 11737	DEF AT Upper Miocene (Messinian) Discoaster quinquерamus	DEF AT
12230 / 11865	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12410 / 12020	DEF AT Upper Miocene (Messinian) Discoaster quinquерamus (increase)	DEF AT
14720 / 14017	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14750 / 14043	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14810 / 14094	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15255 / 14480	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 12-MAR-1999	First Sample Examined: 11940
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14522
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14204
API Well Number: 177104149602	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 3	Sample Range: 11940 - 14240	Water Depth: 314
Public Info Code: Y 17-APR-2009	Ecozone Eq MMS:	Paleo ID: 004

Remark: Report based on sidewall cores, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11940 / 11783	DEF AT first sample examined	DEF AT
12120 / 11953	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12270 / 12094	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
13380 / 13140	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13770 / 13505	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
14090 / 13803	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14239 / 13941	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14240 / 13942	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 09-APR-1999	First Sample Examined: 10400
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14522
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14204
API Well Number: 177104149602	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 10400 - 14520	Water Depth: 314
Public Info Code: Y 17-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10400 / 10331	DEF AT first sample examined	DEF AT 6
10401 / 10332	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
11180 / 11067	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12050 / 11887	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
12230 / 12056	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12290 / 12113	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12530 / 12339	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12829 / 12620	DEF AT Eggerella sp. (local marker)	DEF AT 6
12830 / 12621	DEF AT Arenaceous fauna (local marker)	DEF AT 6
13189 / 12960	DEF AT local marker planktic foram increase	DEF AT 6
13190 / 12961	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
13850 / 13580	DEF IN salt	POS AT 6
13969 / 13690	DEF AT base of salt	DEF AT 6
13970 / 13691	DEF IN local marker planktic foram increase	DEF AT 6
14090 / 13803	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
14208 / 13912	DEF AT out-of-place section	DEF AT 6
14209 / 13913	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
14210 / 13914	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
14360 / 14054	DEF AT local marker planktic foram increase	DEF AT 6
14520 / 14202	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 09-APR-1999	First Sample Examined: 10400
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14522
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14204
API Well Number: 177104149602	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 3 of 3	Sample Range: 10400 - 14490	Water Depth: 314
Public Info Code: Y 17-APR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10400 / 10331	DEF AT first sample examined	DEF AT
10401 / 10332	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12118 / 11951	POS AT maximum flooding surface	DEF AT
12119 / 11952	DEF AT condensed section	DEF AT
12120 / 11953	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12200 / 12028	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13340 / 13102	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13760 / 13496	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13880 / 13608	DEF AT salt	DEF AT
13999 / 13718	DEF AT base of salt	DEF AT
14000 / 13719	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14030 / 13747	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
14180 / 13886	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14210 / 13914	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
14270 / 13970	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14360 / 14054	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
14490 / 14175	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 17-MAY-1999	First Sample Examined: 13713
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14220
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13813
API Well Number: 177104149603	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 3	Sample Range: 13713 - 14151	Water Depth: 314
Public Info Code: Y 14-MAY-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Foram and nanno report based on sidewall cores, foram and nanno species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13713 / 13357	DEF AT first sample examined	DEF AT 6
13785 / 13422	POS AT Arenaceous fauna (local marker)	DEF AT 6
13787 / 13423	DEF AT local marker deep water fauna	DEF IN 5
13964 / 13581	POS AT local marker floral increase	DEF IN 5
13965 / 13582	POS AT Arenaceous fauna (local marker)	DEF AT 6
14069 / 13675	POS AT Arenaceous fauna (local marker)	DEF AT 6
14150 / 13747	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
14151 / 13748	DEF AT condensed section	DEF AT 6
14152 / 13749	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 04-JUN-1999	First Sample Examined: 8530
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14220
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13813
API Well Number: 177104149603	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 3	Sample Range: 8530 - 14220	Water Depth: 314
Public Info Code: Y 14-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Samples from 13725 TO 14151 are based on sidewall cores, 14150 to 14220 were obtained through cuttings, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8530 / 8529	DEF AT first sample examined	DEF AT 4
9470 / 9469	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9740 / 9739	DEF AT faunal change (no faunal increase)	DEF AT 5
9800 / 9799	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9890 / 9889	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 5
9980 / 9979	DEF AT faunal change (no faunal increase)	DEF AT 5
11780 / 11627	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
11870 / 11707	DEF AT faunal change (no faunal increase)	DEF AT 6
12050 / 11867	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12980 / 12695	DEF AT faunal change (no faunal increase)	DEF AT 5
14220 / 13810	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 346	Date of Summary: 04-JUN-1999	First Sample Examined: 8530
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 14220
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13813
API Well Number: 177104149603	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 3 of 3	Sample Range: 8530 - 14220	Water Depth: 314
Public Info Code: Y 14-MAY-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, samples from 13750 TO 14151 are based on sidewall cores, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8530 / 8529	DEF AT first sample examined	DEF AT
8990 / 8989	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
9170 / 9169	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9320 / 9319	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9530 / 9529	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9680 / 9679	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10070 / 10069	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11780 / 11627	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14220 / 13810	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 352	Date of Summary: 07-JUL-1999	First Sample Examined: 0
Lease Number: G03410	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14830
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14827
API Well Number: 177104150200	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 295
Public Info Code: Y 07-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
2630 / 2630	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9330 / 9329	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
10170 / 10169	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10950 / 10949	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
13845 / 13843	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
14400 / 14397	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 1700
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 9730
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9730
API Well Number: 177104149000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 1700 - 9620	Water Depth: 380
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Kilauea Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT 4
1701 / 1701	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
2060 / 2060	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
3500 / 3500	DEF AT local marker foram increase	DEF AT 3
3770 / 3770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4130 / 4130	DEF AT local marker planktic foram increase	DEF AT 3
4760 / 4760	DEF AT local marker benthic foram increase	DEF AT 3
6650 / 6650	DEF AT local marker benthic foram increase	DEF AT 4
6830 / 6830	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
6920 / 6920	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9079 / 9078	DEF AT local marker planktic foram increase	DEF AT 4
9080 / 9079	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9350 / 9349	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9620 / 9619	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 1700
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 9730
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9730
API Well Number: 177104149000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 1700 - 9620	Water Depth: 380
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Kilauea Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT
2240 / 2240	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6650 / 6650	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8990 / 8989	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9620 / 9619	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 9620
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 17220
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17200
API Well Number: 177104149001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 9620 - 17219	Water Depth: 377
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Kilauea Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9620 / 9619	DEF AT first sample examined	DEF AT 4
9621 / 9620	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10070 / 10069	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10610 / 10609	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 5
11360 / 11359	DEF AT pyrite	DEF AT 5
11390 / 11389	DEF IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11869 / 11868	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11870 / 11869	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11900 / 11899	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11960 / 11959	DEF AT local marker planktic foram increase	DEF AT 5
11988 / 11987	DEF AT Bathysiphon fauna	DEF AT 5
11989 / 11988	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
11990 / 11989	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
13850 / 13848	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
13910 / 13908	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
13940 / 13938	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
14000 / 13998	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT 5
14070 / 14068	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
14219 / 14217	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
14220 / 14218	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15770 / 15762	DEF AT Bathysiphon fauna	DEF AT 5
16190 / 16179	DEF AT sample gap top	POS AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 9620
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 17220
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17200
API Well Number: 177104149001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 9620 - 17219	Water Depth: 377
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
16334 / 16322	DEF AT sample gap bottom	DEF AT 5
16610 / 16596	DEF AT Eggerella sp. (local marker)	DEF AT 5
17000 / 16982	DEF AT Eggerella 3 (local marker)	DEF AT 5
17150 / 17130	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
17210 / 17190	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
17219 / 17199	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 9620
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 17220
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17200
API Well Number: 177104149001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 9620 - 17219	Water Depth: 377
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Kilauea Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9620 / 9619	DEF AT first sample examined	DEF AT
10850 / 10849	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11390 / 11389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11900 / 11899	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11930 / 11929	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13910 / 13908	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16190 / 16179	DEF AT sample gap top	DEF AT
16334 / 16322	DEF AT sample gap bottom	DEF AT
16700 / 16685	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
17150 / 17130	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
17219 / 17199	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 391	Date of Summary: 22-JUN-2006	First Sample Examined: 7990
Lease Number: G22688	Source of Paleo: OPERATOR	Borehole MD: 11248
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11000
API Well Number: 177104160200	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 7990 - 11248	Water Depth: 398
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7990 / 7989	DEF AT first sample examined	DEF AT 4
7991 / 7990	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
8320 / 8313	DEF AT reworked material	DEF AT 4
9010 / 8957	DEF AT - - - - -	DEF AT 3
9940 / 9790	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
10120 / 9958	DEF AT reworked material	DEF AT 3
10390 / 10210	DEF AT - - - - -	DEF AT 4
10420 / 10238	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10480 / 10293	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11248 / 10999	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EI 395	Date of Summary: 30-NOV-2001	First Sample Examined: 0
Lease Number: G21649	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10118
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6744
API Well Number: 177104153500	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 525
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9550 / 6362	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 02-OCT-1998	First Sample Examined: 11400
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 13864
Well Name: A021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13656
API Well Number: 608105008800	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 1 of 2	Sample Range: 11400 - 13854	Water Depth: 773
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11400 / 11295	DEF AT first sample examined	DEF AT 5
11880 / 11749	DEF AT - - - - -	DEF AT 6
11910 / 11777	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 6
13854 / 13647	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 02-OCT-1998	First Sample Examined: 11400
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 13864
Well Name: A021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13656
API Well Number: 608105008800	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 2 of 2	Sample Range: 11400 - 13854	Water Depth: 773
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11400 / 11295	DEF AT first sample examined	DEF AT
11940 / 11806	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13854 / 13647	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 02-OCT-1998	First Sample Examined: 13650
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 17443
Well Name: A021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17198
API Well Number: 608105008801	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 1 of 2	Sample Range: 13650 - 17442	Water Depth: 773
Public Info Code: Y 22-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Bypass 1 report, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13650 / 13474	DEF AT first sample examined	DEF AT 6
13651 / 13475	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
17442 / 17197	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 02-OCT-1998	First Sample Examined: 13650
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 17443
Well Name: A021	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17198
API Well Number: 608105008801	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 2 of 2	Sample Range: 13650 - 17442	Water Depth: 773
Public Info Code: Y 22-AUG-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13650 / 13474	DEF AT first sample examined	DEF AT
13651 / 13475	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15270 / 15057	POS IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17442 / 17197	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 16-NOV-1998	First Sample Examined: 5130
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A023	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11322
API Well Number: 608105009200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 1 of 2	Sample Range: 5130 - 12515	Water Depth: 773
Public Info Code: Y 01-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5130 / 4709	DEF AT first sample examined	DEF AT 5
5400 / 4933	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6030 / 5437	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6120 / 5507	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6210 / 5577	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
7130 / 6304	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
7310 / 6447	DEF AT - - - - -	DEF AT 5
8180 / 7144	DEF AT - - - - -	DEF IN 5
8300 / 7241	DEF AT - - - - -	DEF AT 6
8450 / 7360	DEF AT - - - - -	DEF AT 5
9830 / 8637	DEF AT - - - - -	DEF AT 6
10340 / 9147	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12050 / 10857	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12515 / 11322	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 16-NOV-1998	First Sample Examined: 5130
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A023	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11322
API Well Number: 608105009200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 2 of 2	Sample Range: 5130 - 12515	Water Depth: 773
Public Info Code: Y 01-DEC-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5130 / 4709	DEF AT first sample examined	DEF AT
5220 / 4783	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5400 / 4933	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5850 / 5295	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6030 / 5437	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6120 / 5507	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6390 / 5718	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
7220 / 6376	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
10340 / 9147	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
10940 / 9747	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
11840 / 10647	DEF AT Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
11900 / 10707	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
12515 / 11322	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 13-JAN-1999	First Sample Examined: 5250
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 12517
Well Name: A024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11666
API Well Number: 608104010200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 1 of 2	Sample Range: 5250 - 12510	Water Depth: 773
Public Info Code: Y 05-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5250 / 4898	DEF AT first sample examined	DEF IN 5
5610 / 5222	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6420 / 5937	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9120 / 8343	DEF AT - - - - -	DEF AT 6
9210 / 8422	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10680 / 9831	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11520 / 10671	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12150 / 11300	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12510 / 11659	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 873	Date of Summary: 13-JAN-1999	First Sample Examined: 5250
Lease Number: G12136	Source of Paleo: OPERATOR	Borehole MD: 12517
Well Name: A024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11666
API Well Number: 608104010200	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 153
Paleo Report Num: 2 of 2	Sample Range: 5250 - 12510	Water Depth: 773
Public Info Code: Y 05-FEB-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 10500=significant consistent reoccurrence, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5250 / 4898	DEF AT first sample examined	DEF AT
5430 / 5061	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5610 / 5222	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
5790 / 5382	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6240 / 5777	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8040 / 7385	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9270 / 8476	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9450 / 8641	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10500 / 9651	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11370 / 10521	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12180 / 11330	DEF AT Upper Miocene (Messinian) Discoaster quinquedentatus	DEF AT
12510 / 11659	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 910	Date of Summary: 09-JUN-1999	First Sample Examined: 0
Lease Number: G13079	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13322
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 12701
API Well Number: 608104010300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 560
Public Info Code: Y 01-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11551 / 10932	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 949	Date of Summary: 16-FEB-2004	First Sample Examined: 5010
Lease Number: G21739	Source of Paleo: OPERATOR	Borehole MD: 13200
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13035
API Well Number: 608104012400	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5010 - 13200	Water Depth: 865
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5010 / 5009	DEF AT first sample examined	DEF AT 4
5930 / 5929	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6920 / 6919	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8810 / 8807	DEF AT faunal change (no faunal increase)	DEF AT 5
8930 / 8927	DEF AT faunal change (no faunal increase)	DEF AT 4
9260 / 9256	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9530 / 9524	DEF AT faunal change (no faunal increase)	DEF AT 5
10130 / 10119	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10490 / 10479	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11660 / 11621	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11690 / 11649	DEF AT faunal change (no faunal increase)	DEF IN 5
11840 / 11789	DEF AT faunal change (no faunal increase)	DEF AT 5
13200 / 13035	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 949	Date of Summary: 16-FEB-2004	First Sample Examined: 8810
Lease Number: G21739	Source of Paleo: OPERATOR	Borehole MD: 13200
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13035
API Well Number: 608104012400	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 8810 - 13200	Water Depth: 865
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8810 / 8807	DEF AT first sample examined	DEF AT
8811 / 8808	DEF IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9319 / 9314	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9320 / 9315	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10130 / 10119	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10520 / 10509	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11690 / 11649	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13200 / 13035	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 949	Date of Summary: 01-MAR-2004	First Sample Examined: 10545
Lease Number: G21739	Source of Paleo: OPERATOR	Borehole MD: 12450
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12185
API Well Number: 608104012401	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10545 - 12450	Water Depth: 865
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
10545 / 10534	DEF AT first sample examined	POS AT 5
10546 / 10535	DEF AT cement	POS AT 5
10680 / 10669	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
11550 / 11486	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
12420 / 12164	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
12450 / 12187	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 949	Date of Summary: 01-MAR-2004	First Sample Examined: 10545
Lease Number: G21739	Source of Paleo: OPERATOR	Borehole MD: 12450
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12185
API Well Number: 608104012401	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10545 - 12450	Water Depth: 865
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10545 / 10534	DEF AT first sample examined	DEF AT
10590 / 10579	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11700 / 11609	POS IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12420 / 12164	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12450 / 12187	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 965	Date of Summary: 16-MAR-1999	First Sample Examined: 8880
Lease Number: G12142	Source of Paleo: OPERATOR	Borehole MD: 11731
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10824
API Well Number: 608105007900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8880 - 11670	Water Depth: 1694
Public Info Code: Y 31-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8880 / 8258	DEF AT first sample examined	DEF AT 5
10770 / 9903	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11460 / 10558	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11670 / 10764	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 965	Date of Summary: 16-MAR-1999	First Sample Examined: 8880
Lease Number: G12142	Source of Paleo: OPERATOR	Borehole MD: 11731
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10824
API Well Number: 608105007900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8880 - 11670	Water Depth: 1694
Public Info Code: Y 31-DEC-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8880 / 8258	DEF AT first sample examined	DEF AT
10260 / 9441	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10770 / 9903	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11670 / 10764	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 965	Date of Summary: 16-MAR-1999	First Sample Examined: 11670
Lease Number: G12142	Source of Paleo: OPERATOR	Borehole MD: 16300
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15401
API Well Number: 608105007901	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11670 - 16300	Water Depth: 1696
Public Info Code: Y 02-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11670 / 10773	DEF AT first sample examined	DEF AT 5
12570 / 11673	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisce ns (acme "B")	DEF AT 5
12630 / 11733	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13320 / 12423	DEF AT - - - - -	DEF AT 6
13380 / 12483	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
14100 / 13203	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
14190 / 13293	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
16300 / 15401	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 965	Date of Summary: 16-MAR-1999	First Sample Examined: 11670
Lease Number: G12142	Source of Paleo: OPERATOR	Borehole MD: 16300
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15401
API Well Number: 608105007901	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 11670 - 16290	Water Depth: 1696
Public Info Code: Y 02-FEB-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11670 / 10773	DEF AT first sample examined	DEF AT
12090 / 11193	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12360 / 11463	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
12540 / 11643	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12570 / 11673	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12600 / 11703	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12630 / 11733	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12870 / 11973	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
13230 / 12333	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
13350 / 12453	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13370 / 12473	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14280 / 13383	DEF AT Upper Miocene (Messinian) Discoaster quinquedramus	DEF AT
16020 / 15122	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16290 / 15391	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 965	Date of Summary: 16-MAR-1999	First Sample Examined: 16310
Lease Number: G12142	Source of Paleo: OPERATOR	Borehole MD: 16725
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15492
API Well Number: 608105007902	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 16310 - 16700	Water Depth: 1696
Public Info Code: Y 16-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16310 / 15131	DEF AT first sample examined	DEF AT 6
16700 / 15475	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 965	Date of Summary: 16-MAR-1999	First Sample Examined: 16310
Lease Number: G12142	Source of Paleo: OPERATOR	Borehole MD: 16725
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15492
API Well Number: 608105007902	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16310 - 16700	Water Depth: 1696
Public Info Code: Y 16-FEB-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details, no diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16310 / 15131	DEF AT first sample examined	DEF AT
16700 / 15475	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 3540
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 12150
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12147
API Well Number: 608104010000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3540 - 12150	Water Depth: 1853
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
3540 / 3540	DEF AT first sample examined	DEF AT 4
3541 / 3541	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3900 / 3900	DEF AT faunal change (no faunal increase)	POS AT 5
6540 / 6540	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10770 / 10767	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11400 / 11397	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11460 / 11457	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12150 / 12147	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 3540
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 12150
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12147
API Well Number: 608104010000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3540 - 12150	Water Depth: 1853
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
3540 / 3540	DEF AT first sample examined	DEF AT
6780 / 6780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9990 / 9988	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10770 / 10767	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11160 / 11157	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
11490 / 11487	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11910 / 11907	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12150 / 12147	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 10070
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 11950
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11880
API Well Number: 608104010001	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 10070 - 11950	Water Depth: 1853
Public Info Code: Y 01-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
10070 / 10068	DEF AT first sample examined	DEF AT 5
10071 / 10069	DEF AT cement	DEF AT 5
10700 / 10694	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11240 / 11213	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11450 / 11410	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11540 / 11495	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11950 / 11880	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 10070
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 11950
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11880
API Well Number: 608104010001	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 10070 - 11950	Water Depth: 1853
Public Info Code: Y 01-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
10070 / 10068	DEF AT first sample examined	DEF AT
10700 / 10694	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10730 / 10724	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11240 / 11213	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
11450 / 11410	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11480 / 11439	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11510 / 11467	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11810 / 11748	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11950 / 11880	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 1003	Date of Summary: 22-JAN-1999	First Sample Examined: 0
Lease Number: G06921	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14396
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13279
API Well Number: 608105009001	Drilling Operator: TATHAM OFFSHORE DEVELOPMENT INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1483
Public Info Code: Y 18-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9160 / 8996	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12010 / 11323	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 1003	Date of Summary: 01-APR-2000	First Sample Examined: 4000
Lease Number: G13091	Source of Paleo: OPERATOR	Borehole MD: 11084
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10693
API Well Number: 608104010800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 4000 - 9510	Water Depth: 1490
Public Info Code: Y 10-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Prince Prospect, 7100=Sphaeroidinella dehiscens acme below Stilostomella antillea and above Globorotalia incisa, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4000 / 3999	DEF AT first sample examined	DEF AT 4
4002 / 4001	DEF AT sand	DEF AT 4
4100 / 4099	DEF AT sample gap top	DEF AT 4
4199 / 4198	DEF AT sample gap bottom	DEF AT 4
4200 / 4199	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
4600 / 4598	DEF AT sample gap top	POS AT 4
4800 / 4797	DEF AT sample gap bottom	DEF AT 4
4900 / 4895	DEF AT faunal change (no faunal increase)	DEF AT 4
5000 / 4993	DEF AT faunal change (no faunal increase)	DEF AT 5
5100 / 5091	POS AT local marker planktic foram increase	DEF AT 5
5300 / 5283	DEF AT faunal change (no faunal increase)	DEF AT 4
5400 / 5377	DEF AT sample gap top	DEF AT 4
5500 / 5470	DEF AT sample gap bottom	DEF AT 4
5600 / 5562	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5800 / 5742	DEF AT sample gap top	POS AT 4
6000 / 5921	DEF AT sample gap bottom	DEF AT 4
6100 / 6008	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
6700 / 6535	DEF AT faunal change (no faunal increase)	POS AT 5
6800 / 6621	DEF AT faunal change (no faunal increase)	DEF AT 4
7000 / 6790	DEF AT faunal change (no faunal increase)	DEF AT 5
7100 / 6875	DEF AT local marker planktic foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 1003	Date of Summary: 01-APR-2000	First Sample Examined: 4000
Lease Number: G13091	Source of Paleo: OPERATOR	Borehole MD: 11084
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 10693
API Well Number: 608104010800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 4000 - 9510	Water Depth: 1490
Public Info Code: Y 10-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
7200 / 6960	DEF AT faunal change (no faunal increase)	DEF AT 4
8200 / 7843	DEF AT faunal change (no faunal increase)	DEF AT 5
8300 / 7937	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8400 / 8031	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8600 / 8223	DEF AT faunal change (no faunal increase)	DEF AT 4
8900 / 8516	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 6
9000 / 8614	DEF AT faunal change (no faunal increase)	DEF AT 5
9300 / 8911	DEF AT faunal change (no faunal increase)	DEF AT 4
9480 / 9090	DEF AT faunal change (no faunal increase)	POS AT 4
9510 / 9120	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block:	EW 1003	Date of Summary:	01-APR-2000	First Sample Examined:	4000
Lease Number:	G13091	Source of Paleo:	OPERATOR	Borehole MD:	11084
Well Name:	A004	Paleo Done By:	APPLIED BIOSTRATIGRAPHIX	Borehole TVD:	10693
API Well Number:	608104010800	Drilling Operator:	EL PASO PRODUCTION GOM INC	Rkb Elevation:	72
Paleo Report Num:	2 of 2	Sample Range:	4000 - 11070	Water Depth:	1490
Public Info Code:	Y 10-FEB-2010	Ecozone Eq MMS:		Paleo ID:	004

Remark: Prince Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4000 / 3999	DEF AT first sample examined	DEF AT
4200 / 4199	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5000 / 4993	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5100 / 5091	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6700 / 6535	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7100 / 6875	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8100 / 7750	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8300 / 7937	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8400 / 8031	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
8900 / 8516	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9200 / 8811	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9300 / 8911	DEF AT reworked material	DEF AT
9510 / 9120	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 1003	Date of Summary: 01-APR-2000	First Sample Examined: 9510
Lease Number: G13091	Source of Paleo: OPERATOR	Borehole MD: 13850
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13456
API Well Number: 608104010801	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 72
Paleo Report Num: 1 of 3	Sample Range: 9510 - 13850	Water Depth: 1490
Public Info Code: Y 04-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Prince Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9510 / 9120	DEF AT first sample examined	POS AT 5
9511 / 9121	DEF AT cement	POS AT 5
9838 / 9448	DEF AT pyrite	DEF AT 5
9839 / 9449	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9840 / 9450	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9898 / 9508	POS AT fault	DEF AT 5
9899 / 9509	POS AT unconformity	DEF AT 5
9900 / 9510	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
9901 / 9511	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
9960 / 9570	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9990 / 9600	DEF AT local marker planktic foram increase	DEF AT 6
10050 / 9660	DEF AT faunal change (no faunal increase)	DEF AT 5
10170 / 9780	DEF AT pyrite	POS AT 6
10290 / 9900	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	POS AT 6
10319 / 9929	DEF AT pyrite	POS AT 6
10320 / 9930	DEF AT local marker foram increase	DEF AT 5
10350 / 9960	DEF AT pyrite	DEF AT 5
10410 / 10020	DEF AT sand	DEF AT 5
10440 / 10050	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS AT 6
10470 / 10080	DEF AT faunal change (no faunal increase)	DEF AT 6
10770 / 10380	DEF AT sand	POS AT 6
10889 / 10499	DEF AT pyrite	POS AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 1003	Date of Summary: 01-APR-2000	First Sample Examined: 9510
Lease Number: G13091	Source of Paleo: OPERATOR	Borehole MD: 13850
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13456
API Well Number: 608104010801	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 72
Paleo Report Num: 1 of 3	Sample Range: 9510 - 13850	Water Depth: 1490
Public Info Code: Y 04-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10890 / 10500	DEF AT local marker planktic foram increase	POS AT 6
10920 / 10530	DEF AT pyrite	DEF AT 5
10950 / 10560	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
11400 / 11010	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
11430 / 11040	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11490 / 11100	DEF AT faunal change (no faunal increase)	POS AT 6
11550 / 11160	DEF AT local marker foram increase	POS AT 6
11580 / 11190	DEF AT pyrite	POS AT 6
11610 / 11220	DEF AT local marker foram increase	POS AT 6
11700 / 11310	DEF AT local marker foram increase	POS AT 6
11730 / 11340	DEF AT faunal change (no faunal increase)	POS AT 5
12450 / 12060	DEF AT pyrite	POS AT 5
13020 / 12630	DEF AT faunal change (no faunal increase)	DEF AT 5
13080 / 12690	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
13260 / 12870	DEF AT local marker foram increase	DEF AT 5
13470 / 13079	DEF IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
13770 / 13379	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
13850 / 13459	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 1003	Date of Summary: 01-APR-2000	First Sample Examined: 9510
Lease Number: G13091	Source of Paleo: OPERATOR	Borehole MD: 13850
Well Name: A004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13456
API Well Number: 608104010801	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 72
Paleo Report Num: 2 of 3	Sample Range: 9510 - 13850	Water Depth: 1490
Public Info Code: Y 04-APR-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Prince Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9510 / 9120	DEF AT first sample examined	DEF AT
9720 / 9330	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
9750 / 9360	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
9899 / 9509	DEF AT condensed section	DEF AT
9900 / 9510	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9960 / 9570	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10050 / 9660	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
10320 / 9930	DEF AT local marker floral increase	DEF AT
10500 / 10110	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
10590 / 10200	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11430 / 11040	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11610 / 11220	DEF AT local marker floral increase	DEF AT
13050 / 12660	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13800 / 13409	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica "B"	DEF AT
13830 / 13439	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: EW 1003	Date of Summary: 28-APR-2000	First Sample Examined: 0
Lease Number: G13091	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13850
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13456
API Well Number: 608104010801	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 72
Paleo Report Num: 3 of 3	Sample Range: 0 - 0	Water Depth: 1490
Public Info Code: Y 04-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9450 / 9060	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 151	Date of Summary: 25-MAY-2001	First Sample Examined: 0
Lease Number: G15740	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11265
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11115
API Well Number: 427064041200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6300 / 6298	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6630 / 6628	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7080 / 7078	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9020 / 8992	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9410 / 9361	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 151	Date of Summary: 08-JAN-1999	First Sample Examined: 0
Lease Number: G15740	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11588
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11131
API Well Number: 427064041400	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 30-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6240 / 6236	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6720 / 6716	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6990 / 6986	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
8970 / 8940	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9690 / 9544	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 190	Date of Summary: 11-JUL-2001	First Sample Examined: 0
Lease Number: G20623	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16113
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14727
API Well Number: 427064042101	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 07-NOV-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5805 / 5800	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7930 / 7925	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
14276 / 13574	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 190	Date of Summary: 11-JUL-2001	First Sample Examined: 0
Lease Number: G20623	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6671
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6199
API Well Number: 427064042300	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 25-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6253 / 5829	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 301	Date of Summary: 19-MAY-1998	First Sample Examined: 0
Lease Number: G12502	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11653
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 11203
API Well Number: 427064041000	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 63
Public Info Code: Y 08-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8118 / 7950	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11000 / 10610	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 301	Date of Summary: 06-MAY-1998	First Sample Examined: 0
Lease Number: G14833	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14236
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11502
API Well Number: 427064040500	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 23-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13717 / 11178	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 389	Date of Summary: 31-JAN-2000	First Sample Examined: 0
Lease Number: G17133	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10448
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 8329
API Well Number: 427064042400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 97
Public Info Code: Y 28-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5780 / 4815	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
6597 / 5437	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7917 / 6429	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
10397 / 8293	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA 418	Date of Summary: 24-OCT-2001	First Sample Examined: 0
Lease Number: G18921	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8101
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8100
API Well Number: 427064042601	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 21-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7602 / 7601	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GA A 203	Date of Summary: 07-MAR-2006	First Sample Examined: 483
Lease Number: G26502	Source of Paleo: OPERATOR	Borehole MD: 1200
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 1200
API Well Number: 427074010400	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 483 - 1190	Water Depth: 191
Public Info Code: Y 19-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD		Paleo Top Description	Ecozone		
483 /	483	DEF AT first sample examined	DEF	AT	2
980 /	980	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	2
1190 /	1190	DEF AT last sample examined	DEF	AT	2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 22	Date of Summary: 12-JUL-2005	First Sample Examined: 4450
Lease Number: G14209	Source of Paleo: OPERATOR	Borehole MD: 9296
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9180
API Well Number: 608074026900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 4450 - 9295	Water Depth: 450
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4450 / 4450	DEF AT first sample examined	DEF AT 3
4451 / 4451	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5440 / 5440	POS AT maximum flooding surface	DEF AT 3
7630 / 7620	POS AT local marker deep water fauna	DEF AT 4
7870 / 7854	POS AT maximum flooding surface	DEF AT 5
7898 / 7881	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7899 / 7882	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
7900 / 7883	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
7990 / 7970	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 5
8499 / 8450	POS AT maximum flooding surface	DEF AT 5
8500 / 8451	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8620 / 8561	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
9130 / 9028	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9295 / 9179	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 22	Date of Summary: 12-JUL-2005	First Sample Examined: 4450
Lease Number: G14209	Source of Paleo: OPERATOR	Borehole MD: 9296
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9180
API Well Number: 608074026900	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 4450 - 9295	Water Depth: 450
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4450 / 4450	DEF AT first sample examined	DEF AT
5350 / 5350	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7900 / 7883	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8110 / 8085	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8560 / 8506	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9295 / 9179	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 128	Date of Summary: 02-JUN-1998	First Sample Examined: 0
Lease Number: G11454	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16909
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13308
API Well Number: 608074017402	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 633
Public Info Code: Y 24-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: 5710=top of chaotic zone, 8570=bottom of chaotic zone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12820 / 9333	DEF AT salt	DEF AT
14166 / 10572	DEF AT base of salt	DEF AT
14560 / 10961	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14740 / 11141	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14845 / 11246	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 128	Date of Summary: 15-JAN-1999	First Sample Examined: 0
Lease Number: G11455	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17197
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 12867
API Well Number: 608074018600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 633
Public Info Code: Y 15-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13580 / 9316	DEF AT salt	DEF AT
14063 / 9791	DEF AT base of salt	DEF AT
15277 / 11001	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 128	Date of Summary: 28-AUG-1998	First Sample Examined: 0
Lease Number: G11455	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15634
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 12100
API Well Number: 608074018300	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 663
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12595 / 9108	DEF AT salt	DEF AT
13125 / 9608	DEF AT base of salt	DEF AT
14624 / 11090	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 128	Date of Summary: 01-MAY-1999	First Sample Examined: 13500
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 14742
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 11920
API Well Number: 608074020300	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 148
Paleo Report Num: 1 of 2	Sample Range: 13500 - 14740	Water Depth: 633
Public Info Code: Y 14-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Enchilada Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
13500 / 10692	DEF AT first sample examined	DEF AT
13540 / 10732	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13940 / 11131	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14200 / 11390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14740 / 11929	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 128	Date of Summary: 02-JUN-1999	First Sample Examined: 13500
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 14742
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 11920
API Well Number: 608074020300	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 148
Paleo Report Num: 2 of 2	Sample Range: 12300 - 14740	Water Depth: 633
Public Info Code: Y 14-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Enchilada Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
13500 / 10692	DEF AT first sample examined	DEF AT 4
13540 / 10732	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
13939 / 11130	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
13940 / 11131	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14200 / 11390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
14740 / 11929	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 128	Date of Summary: 15-JUL-1999	First Sample Examined: 14100
Lease Number: G11455	Source of Paleo: OPERATOR	Borehole MD: 17500
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 13749
API Well Number: 608074019800	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 14100 - 17500	Water Depth: 633
Public Info Code: Y 22-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone		
14100 / 10350	DEF AT first sample examined	POS	AT	5
14610 / 10859	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS	AT	5
14970 / 11219	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
15000 / 11249	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT	5
15350 / 11599	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT	5
17130 / 13379	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT	5
17500 / 13749	DEF AT last sample examined	DEF	AT	5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 158	Date of Summary: 25-JUL-2000	First Sample Examined: 2210
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 12005
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9550
API Well Number: 608074021700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 2210 - 12005	Water Depth: 1054
Public Info Code: Y 07-JUL-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2210 / 2210	DEF AT first sample examined	DEF AT
2510 / 2509	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
3260 / 3223	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9530 / 7456	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12005 / 9550	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 158	Date of Summary: 26-JUL-2000	First Sample Examined: 2210
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 12005
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9550
API Well Number: 608074021700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 2210 - 12005	Water Depth: 1054
Public Info Code: Y 07-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2210 / 2210	DEF AT first sample examined	POS AT 5
2211 / 2211	DEF IN cement	POS AT 5
2480 / 2479	DEF AT local marker deep water fauna	DEF AT 5
2540 / 2538	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
3260 / 3223	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
3290 / 3250	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
3680 / 3586	DEF AT local marker foram increase	DEF AT 4
3860 / 3729	DEF AT local marker benthic foram increase	DEF AT 4
5390 / 4700	DEF AT local marker deep water fauna	DEF AT 5
7160 / 5682	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7940 / 6133	POS AT local marker foram decrease	DEF AT 4
9920 / 7795	DEF AT local marker deep water fauna	DEF AT 5
10130 / 7976	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11090 / 8798	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12005 / 9550	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 158	Date of Summary: 25-JUL-2000	First Sample Examined: 9100
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11040
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8856
API Well Number: 608074021701	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 9100 - 11020	Water Depth: 1050
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9100 / 7081	DEF AT first sample examined	DEF AT
9220 / 7186	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11020 / 8838	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 158	Date of Summary: 26-JUL-2000	First Sample Examined: 9100
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11040
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8856
API Well Number: 608074021701	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 9100 - 11020	Water Depth: 1050
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9100 / 7081	DEF AT first sample examined	DEF AT 4
10300 / 8173	DEF AT - - - - -	DEF AT 5
10840 / 8671	DEF AT - - - - -	DEF AT 4
11020 / 8838	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 158	Date of Summary: 19-JUL-2000	First Sample Examined: 0
Lease Number: G17300	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11942
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9600
API Well Number: 608074021702	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 3	Sample Range: 0 - 0	Water Depth: 1050
Public Info Code: Y 01-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 / 8400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 158	Date of Summary: 25-JUL-2000	First Sample Examined: 10520
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9600
API Well Number: 608074021702	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 3	Sample Range: 10520 - 11940	Water Depth: 1050
Public Info Code: Y 01-AUG-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, no diagnostic coccolith markers noted, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 / 8400	DEF AT first sample examined	DEF AT
11940 / 9598	DEF AT last sample examined	DEF AT

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Paleo for Public Release (Date Specific)

Area Block: GB 158	Date of Summary: 26-JUL-2000	First Sample Examined: 10520
Lease Number: G17300	Source of Paleo: OPERATOR	Borehole MD: 11942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9600
API Well Number: 608074021702	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 3 of 3	Sample Range: 10520 - 11940	Water Depth: 1050
Public Info Code: Y 01-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10520 / 8400	DEF AT first sample examined	DEF AT 5
10880 / 8703	DEF AT - - - - -	DEF AT 4
11940 / 9598	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2830 / 2830	DEF AT first sample examined	DEF AT 2
4210 / 4209	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4270 / 4269	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5380 / 5379	DEF AT - - - - -	POS IN 4
11240 / 10166	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS IN 4
12380 / 11242	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	POS IN 4
13850 / 12707	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS IN 4
14000 / 12857	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	POS IN 4
15350 / 14206	DEF AT Eggerella 3 (local marker)	POS IN 4
15650 / 14506	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS IN 4
16830 / 15685	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS IN 4
17520 / 16375	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	POS IN 4
17580 / 16435	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	POS IN 4
17730 / 16585	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	POS IN 4
18150 / 17005	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS IN 4
18270 / 17125	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	POS IN 4
18300 / 17155	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	POS IN 4
18630 / 17485	DEF AT last sample examined	POS IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2830 / 2830	DEF AT first sample examined	DEF IN 2
2950 / 2949	DEF AT local marker foram increase	DEF AT 3
3190 / 3189	DEF AT reworked material	DEF AT 3
3250 / 3249	DEF AT limestone	DEF AT 3
3370 / 3369	DEF AT local marker foram increase	DEF IN 3
3610 / 3609	DEF AT faunal change (no faunal increase)	DEF AT 3
4180 / 4179	DEF AT reworked material	DEF AT 3
4210 / 4209	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4270 / 4269	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4271 / 4270	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
4330 / 4329	DEF AT faunal change (no faunal increase)	DEF IN 3
4390 / 4389	DEF AT faunal change (no faunal increase)	DEF AT 3
4450 / 4449	DEF AT local marker (general)	DEF AT 3
5260 / 5259	DEF AT faunal change (no faunal increase)	DEF IN 3
5380 / 5379	DEF AT limestone	DEF AT 5
5680 / 5678	DEF AT local marker foram decrease	POS AT 4
6040 / 6029	DEF AT faunal change (no faunal increase)	DEF AT 4
6100 / 6087	DEF AT local marker foram increase	DEF AT 4
6880 / 6804	DEF AT local marker foram increase	DEF AT 4
6940 / 6855	DEF AT local marker foram decrease	POS AT 4
7420 / 7240	DEF AT faunal change (no faunal increase)	DEF AT 4
7810 / 7529	DEF AT local marker foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
8230 / 7842	DEF AT local marker foram increase	DEF AT 5
8290 / 7886	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8560 / 8086	DEF AT faunal change (no faunal increase)	DEF AT 4
9050 / 8450	DEF AT cement	POS AT 4
10970 / 9934	POS AT local marker foram increase	DEF IN 3
11210 / 10140	DEF AT faunal change (no faunal increase)	DEF AT 4
11240 / 10166	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
11450 / 10355	DEF AT faunal change (no faunal increase)	DEF AT 4
11690 / 10577	DEF AT Bathysiphon fauna	DEF AT 4
11870 / 10747	DEF AT faunal change (no faunal increase)	DEF AT 5
12050 / 10920	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12380 / 11242	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12500 / 11360	DEF AT faunal change (no faunal increase)	DEF AT 4
13550 / 12407	DEF AT local marker foram increase	DEF IN 4
13760 / 12617	DEF AT Arenaceous fauna (local marker)	DEF IN 4
13820 / 12677	DEF AT faunal change (no faunal increase)	DEF AT 6
13849 / 12706	POS AT condensed section	DEF AT 6
13850 / 12707	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13970 / 12827	DEF AT faunal change (no faunal increase)	DEF AT 5
14000 / 12857	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14300 / 13156	DEF AT faunal change (no faunal increase)	DEF AT 4
14570 / 13426	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14750 / 13606	DEF AT local marker foram increase	DEF IN 4
15050 / 13906	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
15110 / 13966	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
15349 / 14205	POS AT Eggerella 3 (local marker)	DEF AT 5
15350 / 14206	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15410 / 14266	DEF AT faunal change (no faunal increase)	DEF AT 4
15590 / 14446	DEF AT Bathysiphon fauna	DEF AT 4
15620 / 14476	DEF AT - - - - -	DEF IN 4
15650 / 14506	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15980 / 14836	DEF AT - - - - -	DEF AT 5
16010 / 14866	DEF AT Bathysiphon fauna	DEF AT 5
16250 / 15106	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16370 / 15226	DEF AT - - - - -	DEF AT 4
16500 / 15355	DEF AT faunal change (no faunal increase)	DEF AT 5
16620 / 15475	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16710 / 15565	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
16830 / 15685	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16950 / 15805	DEF AT faunal change (no faunal increase)	DEF AT 4
17310 / 16165	DEF AT faunal change (no faunal increase)	DEF AT 5
17340 / 16195	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17370 / 16225	DEF AT faunal change (no faunal increase)	DEF AT 4
17520 / 16375	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17580 / 16435	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
17640 / 16495	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
17730 / 16585	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
17850 / 16705	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
18030 / 16885	DEF AT transported shelf fauna	DEF AT 4
18149 / 17004	POS AT condensed section	DEF IN 5
18150 / 17005	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
18270 / 17125	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
18330 / 17185	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
18360 / 17215	DEF AT - - - - -	DEF AT 5
18630 / 17485	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 161	Date of Summary: 09-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 3 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2830 / 2830	DEF AT first sample examined	DEF AT
3310 / 3309	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3520 / 3519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8230 / 7842	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8290 / 7886	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12020 / 10891	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12050 / 10920	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12950 / 11807	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12980 / 11837	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13550 / 12407	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13880 / 12737	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14030 / 12887	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16470 / 15325	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16620 / 15475	POS AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
17460 / 16315	DEF AT sample gap top	DEF AT
17519 / 16374	DEF AT sample gap bottom	DEF AT
17520 / 16375	POS AT Lower Pliocene (Zanclean) Sphenolithus grandis	DEF AT
18450 / 17305	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
18510 / 17365	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18630 / 17485	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 161	Date of Summary: 09-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LLC	Rkb Elevation: 100
Paleo Report Num: 4 of 4	Sample Range: 2830 - 18630	Water Depth: 975
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, paleo done by Therese Dunn, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2830 / 2830	DEF AT first sample examined	DEF AT
3310 / 3309	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3520 / 3519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5500 / 5499	DEF AT reworked material	DEF AT
8230 / 7842	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8290 / 7886	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12020 / 10891	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12050 / 10920	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12950 / 11807	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12980 / 11837	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13550 / 12407	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13880 / 12737	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14030 / 12887	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16470 / 15325	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16620 / 15475	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
17460 / 16315	DEF AT sample gap top	DEF AT
17519 / 16374	DEF AT sample gap bottom	DEF AT
17520 / 16375	POS IN Lower Pliocene (Zanclean) Sphenolithus grandis	DEF AT
18450 / 17305	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
18510 / 17365	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18630 / 17485	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 172	Date of Summary: 20-AUG-1998	First Sample Examined: 0
Lease Number: G14221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14441
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11402
API Well Number: 608074018200	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 693
Public Info Code: Y 04-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8220 / 6251	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10170 / 7551	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12600 / 9706	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
13555 / 10573	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
14080 / 11062	DEF AT - - - - -	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 172	Date of Summary: 04-JUN-1999	First Sample Examined: 0
Lease Number: G14221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14649
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 12608
API Well Number: 608074018401	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 693
Public Info Code: Y 23-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12760 / 10719	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 172	Date of Summary: 30-MAR-1999	First Sample Examined: 11700
Lease Number: G14221	Source of Paleo: OPERATOR	Borehole MD: 13655
Well Name: B003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12578
API Well Number: 608074019700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 130
Paleo Report Num: 1 of 2	Sample Range: 11700 - 13655	Water Depth: 663
Public Info Code: Y 05-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
11700 / 10695	DEF AT first sample examined	DEF IN 3
11730 / 10725	DEF AT faunal change (no faunal increase)	DEF AT 4
11759 / 10754	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
11760 / 10755	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11790 / 10785	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
11910 / 10904	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12230 / 11219	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
12280 / 11268	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
12510 / 11493	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12910 / 11874	DEF AT out-of-place section	DEF AT 4
12920 / 11884	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
12950 / 11912	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
13010 / 11969	DEF AT drilling material	DEF AT 4
13380 / 12317	DEF AT faunal change (no faunal increase)	DEF AT 4
13655 / 12578	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 172	Date of Summary: 19-MAY-1999	First Sample Examined: 0
Lease Number: G14221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13655
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 12578
API Well Number: 608074019700	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 130
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 663
Public Info Code: Y 05-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11790 / 10785	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
11865 / 10859	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT
12280 / 11268	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
12290 / 11278	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13480 / 12412	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 200	Date of Summary: 23-JUN-1998	First Sample Examined: 3158
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 13752
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13143
API Well Number: 608074018100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3158 - 13750	Water Depth: 1731
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone		
3158 / 3158	DEF AT first sample examined	POS	AT	5
3200 / 3200	DEF AT - - - - -	DEF	AT	5
4850 / 4850	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
5210 / 5210	POS IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF	AT	5
8630 / 8338	DEF AT - - - - -	DEF	IN	5
8810 / 8498	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	IN	5
11030 / 10560	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
11120 / 10647	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	5
11180 / 10704	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	5
12650 / 12111	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	IN	5
12710 / 12167	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
13070 / 12505	DEF AT Arenaceous fauna (local marker)	DEF	IN	5
13310 / 12730	DEF AT local marker planktic foram increase	DEF	IN	5
13490 / 12898	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	IN	5
13640 / 13038	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF	IN	5
13730 / 13122	DEF AT Bathysiphon fauna	DEF	IN	5
13750 / 13141	DEF AT last sample examined	DEF	IN	5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 200	Date of Summary: 23-JUN-1998	First Sample Examined: 3158
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 13752
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13143
API Well Number: 608074018100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3158 - 13750	Water Depth: 1731
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3158 / 3158	DEF AT first sample examined	DEF AT
3200 / 3200	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8630 / 8338	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8690 / 8391	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8810 / 8498	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11030 / 10560	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11960 / 11453	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12650 / 12111	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12710 / 12167	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13490 / 12898	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13750 / 13141	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 200	Date of Summary: 10-MAR-1999	First Sample Examined: 2431
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 12570
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12567
API Well Number: 608074019600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2431 - 12570	Water Depth: 945
Public Info Code: Y 11-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone		
2431 / 2431	DEF AT first sample examined	POS	AT	5
2432 / 2432	DEF AT cement	POS	AT	5
3120 / 3120	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	5
4440 / 4440	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	5
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
7830 / 7829	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF	AT	5
7950 / 7949	DEF AT - - - -	DEF	IN	5
8280 / 8279	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	IN	5
10410 / 10408	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
11400 / 11397	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	5
12570 / 12567	DEF AT last sample examined	DEF	IN	5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 200	Date of Summary: 10-MAR-1999	First Sample Examined: 2431
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 12570
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12567
API Well Number: 608074019600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2431 - 12570	Water Depth: 945
Public Info Code: Y 11-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2431 / 2431	DEF AT first sample examined	DEF AT
3150 / 3150	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7380 / 7379	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7950 / 7949	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7980 / 7979	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8250 / 8249	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10530 / 10528	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
11790 / 11787	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12480 / 12477	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12570 / 12567	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 200	Date of Summary: 16-DEC-1999	First Sample Examined: 7903
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 14560
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12712
API Well Number: 608074021100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7903 - 14560	Water Depth: 1736
Public Info Code: Y 27-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7903 / 7582	DEF AT first sample examined	DEF AT 5
8830 / 8275	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
9040 / 8439	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
9280 / 8630	DEF AT - - - - -	DEF AT 5
11560 / 10475	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12160 / 10937	DEF AT - - - - -	DEF AT 5
13090 / 11643	DEF AT - - - - -	DEF IN 5
13120 / 11665	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
13930 / 12253	DEF AT - - - - -	DEF AT 5
14500 / 12668	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14560 / 12712	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 200	Date of Summary: 16-DEC-1999	First Sample Examined: 7903
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 14560
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12712
API Well Number: 608074021100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7903 - 14560	Water Depth: 1736
Public Info Code: Y 27-NOV-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
7903 / 7582	DEF AT first sample examined	DEF AT
8830 / 8275	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8860 / 8297	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9220 / 8581	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11560 / 10475	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12280 / 11028	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13060 / 11620	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13120 / 11665	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13960 / 12275	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14020 / 12318	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14510 / 12676	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
14560 / 12712	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
12370 / 12340	DEF AT first sample examined	POS AT 5
12371 / 12341	DEF AT cement	POS AT 5
13090 / 13060	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
13240 / 13210	DEF AT - - - - -	DEF AT 5
13720 / 13689	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
13930 / 13899	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16030 / 15989	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
16270 / 16228	DEF AT Bathysiphon fauna	DEF AT 5
16630 / 16587	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
16810 / 16766	DEF AT Bathysiphon fauna	DEF IN 5
16930 / 16886	DEF AT foram flood	DEF IN 5
17200 / 17155	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 5
17258 / 17212	DEF AT Lower Pliocene (Zancian) Uvigerina rustica	DEF IN 5
17259 / 17213	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF IN 5
17260 / 17214	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 6
17530 / 17484	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
18010 / 17964	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
18250 / 18204	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
18310 / 18264	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
18638 / 18591	DEF AT gouge	DEF AT 6
18639 / 18592	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 6
18640 / 18593	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
18730 / 18683	POS AT anhydrite	DEF AT 6
18731 / 18684	DEF AT salt	DEF AT 6
19480 / 19432	DEF AT base of salt	DEF AT 6
19570 / 19522	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
21670 / 21619	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
22170 / 22119	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 19510=absence of salt, analysis at 19680 based on sidewall cores

MD / TVD	Paleo Top Description	Ecozone
12370 / 12340	DEF AT first sample examined	DEF AT
12940 / 12910	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13210 / 13180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13360 / 13330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13960 / 13929	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14170 / 14138	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15250 / 15213	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16030 / 15989	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16870 / 16826	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
17080 / 17035	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
17380 / 17334	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
17800 / 17754	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18040 / 17994	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18070 / 18024	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18340 / 18294	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18370 / 18323	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18640 / 18593	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
18760 / 18713	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
18850 / 18803	DEF AT salt	DEF AT
19510 / 19462	POS AT base of salt	DEF AT
19680 / 19632	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21220 / 21170	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21640 / 21590	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22170 / 22119	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 25-FEB-1999	First Sample Examined: 8218
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22133
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22012
API Well Number: 608074018700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8218 - 22133	Water Depth: 1464
Public Info Code: Y 27-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8218 / 8215	DEF AT first sample examined	POS AT 5
8219 / 8216	DEF AT cement	POS AT 5
8360 / 8357	DEF AT - - - - -	DEF AT 5
8480 / 8477	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9350 / 9328	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10880 / 10786	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11960 / 11848	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
14330 / 14216	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14870 / 14756	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15075 / 14961	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15110 / 14996	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15170 / 15056	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
15290 / 15176	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
15590 / 15476	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
15740 / 15626	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15770 / 15656	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16340 / 16226	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16370 / 16256	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17870 / 17756	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
19640 / 19525	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20180 / 20064	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
20330 / 20214	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 25-FEB-1999	First Sample Examined: 8218
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22133
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22012
API Well Number: 608074018700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8218 - 22133	Water Depth: 1464
Public Info Code: Y 27-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21530 / 21411	DEF AT - - - - -	DEF AT 6
21560 / 21441	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
22133 / 22012	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 25-FEB-1999	First Sample Examined: 8218
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22133
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22012
API Well Number: 608074018700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8218 - 22133	Water Depth: 1464
Public Info Code: Y 27-JAN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8218 / 8215	DEF AT first sample examined	DEF AT
8480 / 8477	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10040 / 9983	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11990 / 11877	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12560 / 12446	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
14180 / 14066	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14270 / 14156	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14870 / 14756	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
15020 / 14906	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
15050 / 14936	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
15080 / 14966	DEF AT Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
15230 / 15116	DEF AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT
15320 / 15206	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15410 / 15296	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15530 / 15416	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15560 / 15446	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15680 / 15566	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15770 / 15656	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16490 / 16376	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17030 / 16916	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
18500 / 18386	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19040 / 18925	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 25-FEB-1999	First Sample Examined: 8218
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22133
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22012
API Well Number: 608074018700	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8218 - 22133	Water Depth: 1464
Public Info Code: Y 27-JAN-2009	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
19550 / 19435	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19670 / 19555	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
19880 / 19764	DEF AT out-of-place section	DEF AT
19970 / 19854	POS IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21560 / 21441	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
22133 / 22012	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 215	Date of Summary: 13-MAR-2001	First Sample Examined: 0
Lease Number: G09216	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21158
Well Name: 008	Paleo Done By: OPERATOR	Borehole TVD: 20882
API Well Number: 608074020101	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1457
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18136 / 18080	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18485 / 18429	DEF AT salt	DEF AT
19840 / 19751	DEF AT base of salt	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 216	Date of Summary: 17-OCT-2001	First Sample Examined: 0
Lease Number: G14224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18175
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 16147
API Well Number: 608074022600	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1481
Public Info Code: Y 14-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17036 / 15332	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17710 / 15804	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 243	Date of Summary: 06-NOV-2006	First Sample Examined: 2368
Lease Number: G23280	Source of Paleo: OPERATOR	Borehole MD: 18398
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17455
API Well Number: 608074027800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 2368 - 18397	Water Depth: 1229
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2368 / 2368	DEF AT first sample examined	DEF IN 5
2669 / 2669	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF IN 5
2670 / 2670	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 5
2880 / 2880	DEF AT - - - -	DEF AT 3
3870 / 3870	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 3
3899 / 3899	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
3900 / 3900	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 5
3960 / 3960	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
4080 / 4080	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
4110 / 4110	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
4170 / 4170	DEF AT - - - -	DEF AT 3
4260 / 4260	DEF AT anhydrite	DEF AT 3
4350 / 4350	DEF AT salt	DEF AT 3
14579 / 14177	DEF AT base of salt	POS AT 3
14580 / 14178	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 3
14610 / 14204	DEF AT - - - -	DEF AT 5
15419 / 14898	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
15420 / 14899	POS AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 5
15690 / 15131	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
15840 / 15260	DEF AT out-of-place section	DEF AT 5
15960 / 15363	POS AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT 5
16049 / 15439	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 243	Date of Summary: 06-NOV-2006	First Sample Examined: 2368
Lease Number: G23280	Source of Paleo: OPERATOR	Borehole MD: 18398
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17455
API Well Number: 608074027800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 2368 - 18397	Water Depth: 1229
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16050 / 15440	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
16110 / 15492	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17040 / 16291	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18397 / 17454	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 243	Date of Summary: 18-OCT-2006	First Sample Examined: 14040
Lease Number: G23280	Source of Paleo: OPERATOR	Borehole MD: 24075
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22434
API Well Number: 608074027801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14040 - 24075	Water Depth: 1224
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14040 / 12911	DEF AT first sample examined	DEF AT
14041 / 12912	DEF IN salt	DEF AT
15030 / 13808	DEF AT base of salt	DEF IN 5
15060 / 13837	DEF AT out-of-place section	DEF IN 5
15270 / 14038	DEF AT base of salt	DEF AT 5
15299 / 14065	POS AT out-of-place section	DEF AT 5
15300 / 14066	POS AT Lower Pliocene (Zancian) Sphenolithus abies	DEF IN 5
15659 / 14409	POS AT out-of-place section	DEF AT 5
15660 / 14410	DEF AT local marker floral increase	DEF IN 5
16140 / 14868	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
16410 / 15125	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
16620 / 15326	POS AT transported outer shelf facies	POS IN 5
16650 / 15354	DEF AT out-of-place section	POS IN 5
17580 / 16241	DEF AT - - - - -	DEF IN 5
17910 / 16556	POS AT transported outer shelf facies	POS IN 5
18000 / 16642	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	POS IN 5
18090 / 16728	DEF AT - - - - -	DEF IN 5
18403 / 17026	POS AT out-of-place section	DEF AT 5
18404 / 17027	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
18630 / 17243	POS AT transported outer shelf facies	POS IN 5
19710 / 18273	DEF AT - - - - -	DEF IN 5
19889 / 18444	DEF AT Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 243	Date of Summary: 18-OCT-2006	First Sample Examined: 14040
Lease Number: G23280	Source of Paleo: OPERATOR	Borehole MD: 24075
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22434
API Well Number: 608074027801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14040 - 24075	Water Depth: 1224
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19890 / 18445	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
19949 / 18501	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
19950 / 18502	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
20160 / 18702	DEF AT - - - - -	DEF AT 5
20310 / 18845	POS AT transported outer shelf facies	POS AT 5
20880 / 19387	DEF AT - - - - -	DEF AT 4
21000 / 19502	DEF AT - - - - -	DEF AT 5
21150 / 19645	DEF AT - - - - -	DEF IN 5
21390 / 19874	DEF AT - - - - -	DEF AT 6
21600 / 20074	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
21870 / 20332	DEF AT - - - - -	DEF AT 4
22110 / 20561	DEF AT - - - - -	DEF AT 6
22230 / 20675	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
22440 / 20875	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
23220 / 21619	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
24075 / 22434	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 260	Date of Summary: 22-JAN-1998	First Sample Examined: 8523
Lease Number: G07461	Source of Paleo: OPERATOR	Borehole MD: 17964
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16002
API Well Number: 608074017900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8523 - 17962	Water Depth: 1646
Public Info Code: Y 16-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8523 / 8301	DEF AT first sample examined	DEF AT
8524 / 8302	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
12560 / 11597	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13100 / 12047	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16160 / 14544	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17510 / 15632	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17600 / 15705	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17962 / 16000	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 341	Date of Summary: 10-JAN-1999	First Sample Examined: 4220
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21158
Well Name: HB001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20206
API Well Number: 608074019100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 3	Sample Range: 4220 - 21158	Water Depth: 2015
Public Info Code: Y 07-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4220 / 4220	DEF AT first sample examined	POS AT 4
4640 / 4640	DEF AT - - - - -	DEF AT 4
5420 / 5419	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5570 / 5569	DEF AT - - - - -	DEF IN 3
6440 / 6439	DEF AT - - - - -	DEF AT 3
6890 / 6889	DEF AT - - - - -	DEF AT 1
7880 / 7879	DEF AT - - - - -	DEF AT 4
8480 / 8479	DEF AT - - - - -	DEF AT 5
8510 / 8509	DEF AT - - - - -	DEF AT 4
8570 / 8569	DEF AT - - - - -	DEF AT 5
8690 / 8689	DEF AT - - - - -	DEF AT 4
19280 / 18697	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4
19370 / 18769	DEF AT - - - - -	DEF AT 4
19880 / 19178	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
20390 / 19589	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 4
20420 / 19613	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 4
20630 / 19781	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 4
20720 / 19853	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 4
21158 / 20206	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 341	Date of Summary: 01-APR-1999	First Sample Examined: 4220
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21158
Well Name: HB001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 20206
API Well Number: 608074019100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 3	Sample Range: 4220 - 21158	Water Depth: 2015
Public Info Code: Y 07-MAR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
4220 / 4220	DEF AT first sample examined	DEF AT
4700 / 4700	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5420 / 5419	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7700 / 7699	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa T.R.	DEF AT
10550 / 10549	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12740 / 12739	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13790 / 13788	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14360 / 14358	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14900 / 14898	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15620 / 15615	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16430 / 16381	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
16790 / 16686	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16850 / 16735	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18380 / 17973	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19250 / 18673	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19280 / 18697	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19490 / 18865	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19880 / 19178	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
19910 / 19202	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
20090 / 19347	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20240 / 19468	POS AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF AT
20810 / 19926	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 341	Date of Summary: 01-APR-1999	First Sample Examined: 4220
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21158
Well Name: HB001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 20206
API Well Number: 608074019100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 3	Sample Range: 4220 - 21158	Water Depth: 2015
Public Info Code: Y 07-MAR-2009	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21140 / 20191	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 341	Date of Summary: 24-MAY-1999	First Sample Examined: 4220
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 21158
Well Name: HB001	Paleo Done By: OPERATOR	Borehole TVD: 20206
API Well Number: 608074019100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 3 of 3	Sample Range: 4220 - 21158	Water Depth: 2015
Public Info Code: Y 07-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
4220 / 4220	DEF AT first sample examined	DEF AT
5420 / 5419	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5421 / 5420	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10280 / 10279	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10550 / 10549	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 4
12740 / 12739	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
13730 / 13728	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
14900 / 14898	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT 4
16190 / 16163	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
16700 / 16611	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
16820 / 16710	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
19280 / 18697	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
19910 / 19202	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT 4
20390 / 19589	DEF AT Lower Pliocene (Zanclean) Globorotalia margaritae	DEF AT 4
20420 / 19613	DEF AT Lower Pliocene (Zanclean) Globigerina nepenthes	DEF AT 4
20810 / 19926	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
21158 / 20206	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 341	Date of Summary: 01-FEB-1999	First Sample Examined: 16500
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 22900
Well Name: HB001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 22697
API Well Number: 608074019101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 3	Sample Range: 16500 - 22890	Water Depth: 2015
Public Info Code: Y 22-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
16500 / 16481	DEF AT - - - - -	DEF AT 0
16620 / 16598	DEF AT sand	DEF AT
17220 / 17180	DEF AT - - - - -	DEF AT 4
17250 / 17210	DEF AT - - - - -	DEF AT 0
17460 / 17413	DEF AT sand	DEF AT
20490 / 20351	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
20520 / 20381	DEF AT - - - - -	DEF AT 4
20790 / 20643	DEF AT - - - - -	DEF AT 0
20910 / 20759	DEF AT - - - - -	DEF AT 4
21059 / 20904	DEF AT reworked material	DEF AT
21060 / 20905	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
21150 / 20993	DEF AT - - - - -	DEF AT 0
21180 / 21022	DEF AT sand	DEF AT
21780 / 21605	DEF AT - - - - -	DEF AT 4
22080 / 21896	DEF AT - - - - -	DEF AT 4
22110 / 21926	POS AT local marker planktic foram increase	DEF AT 4
22200 / 22013	DEF AT - - - - -	DEF AT 0
22380 / 22189	DEF AT - - - - -	DEF AT 4
22470 / 22276	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
22530 / 22335	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
22710 / 22511	DEF AT - - - - -	DEF AT 0

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 341	Date of Summary: 19-MAR-1999	First Sample Examined: 16500
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 22900
Well Name: HB001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 22697
API Well Number: 608074019101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 3	Sample Range: 16500 - 22890	Water Depth: 2015
Public Info Code: Y 22-MAR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
16500 / 16481	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16620 / 16598	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16950 / 16918	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17160 / 17122	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17190 / 17151	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19140 / 19042	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
20130 / 20002	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20520 / 20381	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20521 / 20382	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
21630 / 21459	DEF AT reworked material	DEF AT
21720 / 21546	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
22170 / 21984	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
22470 / 22276	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
22590 / 22393	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
22770 / 22569	POS AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 341	Date of Summary: 25-MAY-1999	First Sample Examined: 16500
Lease Number: G15879	Source of Paleo: OPERATOR	Borehole MD: 22900
Well Name: HB001	Paleo Done By: OPERATOR	Borehole TVD: 22697
API Well Number: 608074019101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 3 of 3	Sample Range: 15090 - 22900	Water Depth: 2015
Public Info Code: Y 22-MAR-2009	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
16500 / 16481	DEF AT first sample examined	DEF AT
17070 / 17035	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17190 / 17151	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20490 / 20351	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
20491 / 20352	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21630 / 21459	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
22470 / 22276	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
22530 / 22335	POS AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT
22900 / 22697	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 342	Date of Summary: 17-JAN-2007	First Sample Examined: 20200
Lease Number: G23302	Source of Paleo: OPERATOR	Borehole MD: 31803
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 31733
API Well Number: 608074028400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 20200 - 31804	Water Depth: 1153
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Andros Deep Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
20200 / 20170	DEF AT first sample examined	DEF AT 5
20230 / 20200	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT 5
20260 / 20230	DEF IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
20320 / 20289	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 5
20350 / 20319	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 5
20769 / 20734	DEF AT reworked material	DEF AT 5
20770 / 20735	DEF AT local marker floral increase	DEF AT 5
21220 / 21181	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
21250 / 21211	DEF AT local marker floral increase	DEF AT 6
21550 / 21509	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
21610 / 21568	DEF IN Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6
21640 / 21598	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
22240 / 22194	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 6
22419 / 22371	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
22420 / 22372	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 6
22450 / 22402	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 6
22949 / 22898	POS AT out-of-place section	DEF AT 6
22950 / 22899	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
23190 / 23137	DEF AT local marker floral increase	DEF AT 6
23580 / 23524	POS AT reworked material	DEF AT 6
24090 / 24030	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 342	Date of Summary: 17-JAN-2007	First Sample Examined: 20200
Lease Number: G23302	Source of Paleo: OPERATOR	Borehole MD: 31803
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 31733
API Well Number: 608074028400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 20200 - 31804	Water Depth: 1153
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24119 / 24059	POS AT out-of-place section	DEF AT 6
24120 / 24060	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
24240 / 24179	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 6
24300 / 24239	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 6
24330 / 24269	DEF IN salt	DEF AT 6
31804 /	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 03-JAN-2001	First Sample Examined: 4221
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 6690
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6690
API Well Number: 608074022300	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4221 - 6690	Water Depth: 2120
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4221 / 4221	DEF AT first sample examined	DEF AT
4320 / 4320	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6690 / 6690	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 04-JAN-2001	First Sample Examined: 4221
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 6690
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 6690
API Well Number: 608074022300	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4221 - 6690	Water Depth: 2120
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4221 / 4221	DEF AT first sample examined	DEF AT 5
4530 / 4530	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6690 / 6690	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 04-JAN-2001	First Sample Examined: 6690
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 11882
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11870
API Well Number: 608074022301	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6690 - 11880	Water Depth: 2120
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6690 / 6685	DEF AT first sample examined	DEF AT 5
7740 / 7734	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8280 / 8274	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
10770 / 10762	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11430 / 11421	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11880 / 11868	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 30-JAN-2001	First Sample Examined: 6690
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 11882
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11870
API Well Number: 608074022301	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6690 - 11880	Water Depth: 2120
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6690 / 6685	DEF AT first sample examined	DEF AT
7980 / 7974	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9420 / 9413	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9660 / 9653	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11070 / 11062	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11460 / 11451	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11640 / 11630	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11880 / 11868	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 23-APR-2002	First Sample Examined: 8010
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 24525
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24499
API Well Number: 608074023800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 8010 - 24525	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8010 / 8009	DEF AT first sample examined	DEF AT 4
9990 / 9987	DEF AT - - - - -	DEF AT 5
10050 / 10047	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10410 / 10407	DEF AT - - - - -	DEF AT 4
10710 / 10707	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
14080 / 14073	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
14110 / 14103	DEF AT - - - - -	DEF AT 5
15370 / 15361	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16600 / 16587	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18730 / 18712	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20610 / 20592	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21090 / 21072	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 5
22050 / 22031	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
22380 / 22360	DEF AT - - - - -	DEF IN 5
22860 / 22839	DEF AT - - - - -	POS AT 6
23160 / 23139	DEF AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT 6
23370 / 23348	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 6
23580 / 23557	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
24525 / 24499	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 23-APR-2002	First Sample Examined: 8010
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 24525
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24499
API Well Number: 608074023800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 8010 - 24525	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8010 / 8009	DEF AT first sample examined	DEF AT
9840 / 9838	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12640 / 12636	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14170 / 14163	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15280 / 15271	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16000 / 15990	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16600 / 16587	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16900 / 16885	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18760 / 18742	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20380 / 20362	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
20970 / 20952	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
21510 / 21491	POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
21990 / 21971	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
22890 / 22869	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
22980 / 22959	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23370 / 23348	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23700 / 23677	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
24300 / 24275	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24525 / 24499	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 29-MAY-2002	First Sample Examined: 20150
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 25177
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24699
API Well Number: 608074023801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 20150 - 25177	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
20150 / 20132	DEF AT first sample examined	DEF AT 5
20151 / 20133	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20480 / 20462	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21710 / 21636	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
22430 / 22260	DEF AT - - - - -	DEF IN 5
22460 / 22285	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
23570 / 23252	DEF AT faunal change (no faunal increase)	DEF AT 6
24110 / 23734	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
24500 / 24077	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
24890 / 24429	DEF AT faunal change (no faunal increase)	DEF AT 5
25177 / 24699	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 29-MAY-2002	First Sample Examined: 20150
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 25177
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24699
API Well Number: 608074023801	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 20150 - 25177	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
20150 / 20132	DEF AT first sample examined	DEF AT
20151 / 20133	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20360 / 20342	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
21110 / 21080	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
21470 / 21420	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
22370 / 22210	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
23630 / 23305	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
23780 / 23439	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
24290 / 23894	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
24800 / 24345	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
25177 / 24699	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 10-JUL-2002	First Sample Examined: 15380
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 23435
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22501
API Well Number: 608074023802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 15380 - 23435	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15380 / 15371	DEF AT first sample examined	DEF AT 5
15680 / 15667	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16640 / 16609	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18710 / 18659	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
20840 / 20467	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21110 / 20676	DEF AT - - - - -	DEF IN 5
21290 / 20816	POS AT Lower Pliocene (Zanclean) Globorotalia margaritae	DEF IN 5
21680 / 21119	DEF AT - - - - -	DEF AT 5
22370 / 21656	POS AT Lower Pliocene (Zanclean) Globigerina nepenthes	DEF AT 5
22760 / 21961	DEF AT - - - - -	POS AT 6
23120 / 22247	DEF AT - - - - -	DEF AT 5
23330 / 22416	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
23435 / 22501	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 10-JUL-2002	First Sample Examined: 15380
Lease Number: G08232	Source of Paleo: OPERATOR	Borehole MD: 23435
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22501
API Well Number: 608074023802	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 15380 - 23435	Water Depth: 2312
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15380 / 15371	DEF AT first sample examined	DEF AT
15381 / 15372	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
16250 / 16223	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16640 / 16609	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18740 / 18688	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
20450 / 20164	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
21170 / 20722	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
21680 / 21119	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
22310 / 21610	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
22760 / 21961	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23300 / 22391	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23435 / 22501	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 03-JAN-2001	First Sample Examined: 11880
Lease Number: G33195	Source of Paleo: OPERATOR	Borehole MD: 21024
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19615
API Well Number: 608074022302	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 11880 - 21024	Water Depth: 2120
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11880 / 11869	DEF AT first sample examined	DEF AT
12090 / 12076	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12690 / 12655	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13560 / 13429	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14490 / 14193	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14600 / 14280	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
14760 / 14406	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14880 / 14502	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15060 / 14646	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15180 / 14742	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
15240 / 14790	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
15660 / 15122	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15840 / 15264	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15930 / 15335	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15990 / 15383	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16260 / 15599	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16320 / 15647	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16380 / 15695	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16560 / 15842	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16620 / 15892	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16830 / 16067	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16920 / 16141	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 03-JAN-2001	First Sample Examined: 11880
Lease Number: G33195	Source of Paleo: OPERATOR	Borehole MD: 21024
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19615
API Well Number: 608074022302	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 11880 - 21024	Water Depth: 2120
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
17280 / 16427	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17310 / 16451	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17460 / 16571	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17670 / 16736	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
20730 / 19334	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
21024 / 19615	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 344	Date of Summary: 04-JAN-2001	First Sample Examined: 11880
Lease Number: G33195	Source of Paleo: OPERATOR	Borehole MD: 21024
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19615
API Well Number: 608074022302	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 11880 - 21024	Water Depth: 2120
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11880 / 11869	DEF AT first sample examined	DEF AT 5
12090 / 12076	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13530 / 13403	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
13560 / 13429	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14670 / 14335	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 5
14910 / 14526	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF IN 5
15060 / 14646	DEF AT - - - - -	DEF AT 6
15210 / 14766	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
15360 / 14885	DEF AT - - - - -	DEF IN 5
16320 / 15647	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
16680 / 15942	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16830 / 16067	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16995 / 16201	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
17040 / 16236	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
17430 / 16547	DEF AT - - - - -	DEF AT 5
17460 / 16571	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19410 / 18134	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
20490 / 19107	DEF AT - - - - -	DEF IN 5
20700 / 19305	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
21024 / 19615	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 385	Date of Summary: 21-SEP-2000	First Sample Examined: 0
Lease Number: G10350	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 25500
Well Name: LL001	Paleo Done By: OPERATOR	Borehole TVD: 24709
API Well Number: 608074021304	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2632
Public Info Code: Y 17-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
22250 / 21573	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
22310 / 21630	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22490 / 21802	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
23690 / 22947	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
23780 / 23033	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
23870 / 23118	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
24320 / 23550	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT
24380 / 23608	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
25020 / 24234	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
25349 / 24559	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
25350 / 24560	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
25410 / 24620	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
25470 / 24679	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 385	Date of Summary: 14-DEC-1999	First Sample Examined: 0
Lease Number: G17358	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11740
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11670
API Well Number: 608074021300	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2430
Public Info Code: Y 30-NOV-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5510 / 5509	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8990 / 8988	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9800 / 9791	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 29-DEC-1997	First Sample Examined: 18230
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 18230 - 25280	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram report for sidetrack 1, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18230 / 17734	DEF AT first sample examined	DEF AT 5
18920 / 18387	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
21110 / 20468	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
23630 / 22862	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
23930 / 23147	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
25160 / 24334	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25280 / 24451	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 29-DEC-1997	First Sample Examined: 18230
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 18230 - 25280	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Calcareous nannofossil report for sidetrack 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18230 / 17734	DEF AT first sample examined	DEF AT
18770 / 18243	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
21110 / 20468	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
22190 / 21493	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23660 / 22890	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
23960 / 23175	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24260 / 23462	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
25100 / 24275	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
25280 / 24451	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 25332
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 25332 - 27730	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foram report for extension

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25332 / 24502	DEF AT first sample examined	DEF IN 5
25480 /	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25630 /	DEF AT - - - -	DEF AT 6
25781 /	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
26800 /	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
27130 /	DEF AT - - - -	DEF AT 5
27340 /	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
27730 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 25332
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 25332 - 27730	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: N	Paleo ID: 005

Remark: Calcareous nannofossil report for extension

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25332 / 24502	DEF AT first sample examined	DEF AT
25810 /	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
26560 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
27100 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
27340 /	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
27730 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 24993
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 27864
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26978
API Well Number: 608074016602	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 24993 - 26750	Water Depth: 2663
Public Info Code: Y 06-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24993 / 24171	DEF AT first sample examined	DEF IN 5
25260 / 24432	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25530 / 24696	DEF AT - - - -	POS AT 6
25710 / 24872	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
26750 / 25889	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 24993
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 27864
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26978
API Well Number: 608074016602	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 24993 - 26750	Water Depth: 2663
Public Info Code: Y 06-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24990 / 24168	DEF AT first sample examined	DEF AT
25800 / 24960	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
26460 / 25605	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
26750 / 25889	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 25-MAR-1999	First Sample Examined: 4110
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 22045
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21555
API Well Number: 608074018800	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4110 - 22045	Water Depth: 2520
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 21750=Early Pliocene fauna, probably out of place, 22020=Late Miocene fauna, probably out of place, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4110 / 4110	DEF AT first sample examined	POS AT 5
4111 / 4111	DEF AT cement	POS AT 5
4320 / 4319	DEF AT - - - - -	DEF AT 5
5430 / 5428	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6810 / 6807	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12750 / 12662	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
17070 / 16754	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
18750 / 18356	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
21090 / 20608	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
21749 / 21260	POS AT out-of-place section	DEF AT 5
21750 / 21261	POS IN Lower Pliocene	DEF AT 5
22019 / 21529	POS AT out-of-place section	DEF AT 5
22020 / 21530	POS IN Upper (Late) Miocene	DEF AT 5
22045 / 21555	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 29-MAR-1999	First Sample Examined: 4110
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 22045
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21555
API Well Number: 608074018800	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4110 - 22045	Water Depth: 2520
Public Info Code: Y 28-FEB-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4110 / 4110	DEF AT first sample examined	DEF AT
4800 / 4799	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa oceanica (flood)	DEF AT
5280 / 5278	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9780 / 9777	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12720 / 12634	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
12750 / 12662	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14700 / 14504	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17010 / 16697	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17700 / 17355	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18840 / 18441	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21090 / 20608	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21540 / 21053	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
22045 / 21555	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 25-MAR-1999	First Sample Examined: 19270
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 22134
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21625
API Well Number: 608074018801	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 19270 - 22134	Water Depth: 2520
Public Info Code: Y 14-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19270 / 18849	DEF AT first sample examined	DEF AT 5
19271 / 18850	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
21090 / 20610	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
21809 / 21310	POS AT out-of-place section	DEF AT 5
21810 / 21311	POS IN Lower Pliocene	DEF AT 5
21869 / 21368	POS AT out-of-place section	DEF AT 5
21870 / 21369	POS AT Upper (Late) Miocene	DEF AT 5
22134 / 21625	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 386	Date of Summary: 29-MAR-1999	First Sample Examined: 19270
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 22134
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21625
API Well Number: 608074018801	Drilling Operator: NEWFIELD EXPLORATION GULF COAST LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 19270 - 22134	Water Depth: 2520
Public Info Code: Y 14-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19270 / 18849	DEF AT first sample examined	DEF AT
19500 / 19069	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21090 / 20610	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21480 / 20990	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
22134 / 21625	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 426	Date of Summary: 04-MAR-2002	First Sample Examined: 18300
Lease Number: G08241	Source of Paleo: OPERATOR	Borehole MD: 24000
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 21706
API Well Number: 608074010302	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 170
Paleo Report Num: 1 of 2	Sample Range: 18300 - 24000	Water Depth: 2862
Public Info Code: Y 10-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Ragan Biostrat, 21840=Globorotalia cf margaritae semi-regional event, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18300 / 17507	DEF AT first sample examined	DEF AT
18600 / 17776	DEF AT faunal change (no faunal increase)	DEF AT 4
18660 / 17827	DEF AT local marker foram increase	DEF AT 4
18690 / 17853	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18750 / 17904	DEF AT faunal change (no faunal increase)	DEF AT 4
18900 / 18027	DEF AT local marker foram increase	DEF AT 5
19030 / 18130	DEF AT faunal change (no faunal increase)	POS IN 2
19060 / 18153	DEF AT faunal change (no faunal increase)	POS AT 3
19090 / 18176	DEF AT faunal change (no faunal increase)	DEF IN 3
19200 / 18260	DEF AT faunal change (no faunal increase)	DEF AT 4
19230 / 18283	DEF AT local marker foram increase	DEF AT 4
19260 / 18306	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
19350 / 18374	DEF AT faunal change (no faunal increase)	DEF AT 4
19560 / 18534	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
19740 / 18670	DEF AT faunal change (no faunal increase)	DEF AT 4
19980 / 18845	DEF AT faunal change (no faunal increase)	DEF AT 5
20040 / 18889	DEF AT faunal change (no faunal increase)	DEF AT 4
20190 / 18996	DEF AT faunal change (no faunal increase)	DEF AT 5
20220 / 19017	DEF AT faunal change (no faunal increase)	DEF AT 4
20580 / 19271	DEF AT local marker foram increase	DEF AT 5
20670 / 19334	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 426	Date of Summary: 04-MAR-2002	First Sample Examined: 18300
Lease Number: G08241	Source of Paleo: OPERATOR	Borehole MD: 24000
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 21706
API Well Number: 608074010302	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 170
Paleo Report Num: 1 of 2	Sample Range: 18300 - 24000	Water Depth: 2862
Public Info Code: Y 10-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20960 / 19540	DEF AT faunal change (no faunal increase)	DEF AT 4
21190 / 19703	DEF AT local marker foram increase	DEF AT 4
21230 / 19731	DEF AT faunal change (no faunal increase)	DEF AT 5
21510 / 19919	DEF AT local marker foram increase	DEF AT 5
21600 / 19975	DEF AT local marker foram increase	DEF AT 5
21810 / 20113	DEF AT local marker foram increase	DEF AT 5
21840 / 20135	DEF AT local marker planktic foram increase	DEF AT 5
22170 / 20389	DEF AT faunal change (no faunal increase)	DEF AT 4
22440 / 20601	DEF AT faunal change (no faunal increase)	DEF AT 5
22560 / 20697	DEF AT local marker foram increase	DEF AT 5
22830 / 20909	DEF AT local marker foram increase	DEF AT 5
22940 / 20993	DEF AT faunal change (no faunal increase)	DEF AT 4
23130 / 21133	DEF AT local marker foram increase	DEF AT 4
23190 / 21175	DEF AT local marker foram increase	DEF AT 5
23250 / 21217	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
23430 / 21340	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
23770 / 21565	DEF AT local marker foram increase	DEF AT 5
23790 / 21578	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
23850 / 21615	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
24000 / 21706	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 426	Date of Summary: 09-MAR-2002	First Sample Examined: 18300
Lease Number: G08241	Source of Paleo: OPERATOR	Borehole MD: 24000
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 21706
API Well Number: 608074010302	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 170
Paleo Report Num: 2 of 2	Sample Range: 18300 - 24000	Water Depth: 2862
Public Info Code: Y 10-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report done by Morin Biostratigraphic Services, 23970=Discoaster sp 7, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18300 / 17507	DEF AT first sample examined	DEF AT
18360 / 17562	DEF AT sample gap top	DEF AT
18600 / 17776	DEF AT sample gap bottom	DEF AT
18720 / 17878	DEF AT local marker floral increase	DEF AT
18721 / 17879	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
18990 / 18099	DEF AT local marker floral increase	DEF AT
19060 / 18153	DEF AT reworked material	DEF AT
19230 / 18283	DEF AT local marker floral increase	DEF AT
19530 / 18511	DEF AT local marker floral increase	DEF AT
19920 / 18802	DEF AT reworked material	DEF AT
20580 / 19271	DEF AT local marker floral increase	DEF AT
20870 / 19476	DEF AT local marker floral increase	DEF AT
21600 / 19975	DEF AT local marker floral increase	DEF AT
21630 / 19993	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
21810 / 20113	DEF AT local marker floral increase	DEF AT
22560 / 20697	DEF AT local marker floral increase	DEF AT
22620 / 20745	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
23220 / 21196	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
23340 / 21278	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
23400 / 21319	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
23460 / 21360	DEF AT local marker floral increase	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 426	Date of Summary: 09-MAR-2002	First Sample Examined: 18300
Lease Number: G08241	Source of Paleo: OPERATOR	Borehole MD: 24000
Well Name: A018	Paleo Done By: OPERATOR	Borehole TVD: 21706
API Well Number: 608074010302	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 170
Paleo Report Num: 2 of 2	Sample Range: 18300 - 24000	Water Depth: 2862
Public Info Code: Y 10-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
23490 / 21381	DEF AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
23610 / 21462	DEF AT local marker floral increase	DEF AT
23830 / 21603	DEF AT local marker floral increase	DEF AT
23880 / 21633	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
23970 / 21688	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
24000 / 21706	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 434	Date of Summary: 12-DEC-2006	First Sample Examined: 17030
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 20072
Well Name: 001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 20071
API Well Number: 608074028100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 17030 - 20072	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Norman Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17030 / 17029	DEF AT first sample examined	DEF AT
17031 / 17030	POS IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18290 / 18289	POS AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
18320 / 18319	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
18350 / 18349	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18650 / 18649	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18920 / 18919	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
19160 / 19159	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19250 / 19249	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19400 / 19399	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20072 / 20071	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 434	Date of Summary: 03-JAN-2007	First Sample Examined: 17030
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 20072
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20071
API Well Number: 608074028100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 17030 - 20090	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Norman Prospect

MD / TVD	Paleo Top Description	Ecozone
17030 / 17029	DEF AT first sample examined	POS AT 4
17031 / 17030	DEF IN Lower Pliocene (Zancian) Globigerina nepenthes	POS AT 4
17032 / 17031	POS AT out-of-place section	POS AT 4
17060 / 17059	DEF AT local marker foram decrease	POS AT 4
17090 / 17089	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 4
17120 / 17119	POS AT out-of-place section	POS AT 4
17180 / 17179	DEF AT - - - - -	DEF AT 4
17300 / 17299	DEF AT local marker planktic foram increase	DEF AT 4
17420 / 17419	DEF AT - - - - -	DEF AT 5
17450 / 17449	DEF AT - - - - -	DEF AT 4
17480 / 17479	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
17570 / 17569	DEF AT local marker foram increase	DEF AT 5
17600 / 17599	DEF AT - - - - -	DEF AT 4
17630 / 17629	DEF AT local marker foram decrease	DEF AT 4
17690 / 17689	DEF AT local marker foram increase	DEF AT 4
18290 / 18289	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
18380 / 18379	DEF AT local marker foram decrease	DEF AT 4
18410 / 18409	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
18500 / 18499	DEF AT local marker foram decrease	DEF AT 4
18620 / 18619	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
18650 / 18649	DEF AT local marker foram increase	DEF AT 4
19100 / 19099	DEF AT Arenaceous fauna (local marker)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 434	Date of Summary: 03-JAN-2007	First Sample Examined: 17030
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 20072
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20071
API Well Number: 608074028100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 17030 - 20090	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
19130 / 19129	POS IN Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
19220 / 19219	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19250 / 19249	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
19280 / 19279	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
19880 / 19879	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 4
20000 / 19999	DEF AT local marker foram decrease	DEF AT 4
20060 / 20059	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 434	Date of Summary: 25-JAN-2007	First Sample Examined: 17060
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 20072
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20071
API Well Number: 608074028100	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 3 of 3	Sample Range: 17060 - 20072	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Norman Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17060 / 17059	DEF AT first sample examined	DEF AT 5
17300 / 17299	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
17360 / 17359	DEF AT - - - - -	DEF AT 6
17420 / 17419	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
17450 / 17449	DEF AT - - - - -	DEF IN 5
17570 / 17569	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus (increase)	DEF IN 5
17630 / 17629	DEF AT - - - - -	DEF AT 4
18290 / 18289	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
18320 / 18319	DEF AT Upper Miocene (Messinian) Globorotalia janaei	DEF IN 5
18440 / 18439	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
18650 / 18649	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
18770 / 18769	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
18890 / 18889	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF IN 5
19130 / 19129	POS AT Upper Miocene (Tortonian) Catinaaster mexicanus	DEF IN 5
19160 / 19159	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
19250 / 19249	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
19309 / 19308	POS AT salt weld	DEF IN 5
19310 / 19309	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
19340 / 19339	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
19700 / 19699	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
20072 / 20071	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 434	Date of Summary: 10-APR-2007	First Sample Examined: 17150
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 27712
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27705
API Well Number: 608074028101	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 17150 - 27180	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Norman Prospect, consultant-integrated foram and nannofossil report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17150 / 17145	DEF AT first sample examined	DEF AT 5
17330 / 17324	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT 5
17420 / 17414	DEF AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 6
17480 / 17474	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
17540 / 17534	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
17570 / 17564	DEF AT - - - - -	DEF AT 5
18240 / 18234	DEF AT - - - - -	DEF IN 5
18360 / 18354	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5
18390 / 18384	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
18510 / 18504	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
18720 / 18714	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF IN 5
18810 / 18804	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF IN 5
18839 / 18833	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
18840 / 18834	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF IN 5
18930 / 18924	DEF AT - - - - -	DEF AT 5
19170 / 19164	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
19349 / 19343	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
19350 / 19344	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
19440 / 19434	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20610 / 20604	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
20850 / 20844	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 434	Date of Summary: 10-APR-2007	First Sample Examined: 17150
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 27712
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27705
API Well Number: 608074028101	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 17150 - 27180	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21150 / 21144	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
21270 / 21264	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
21540 / 21534	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
21630 / 21624	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21690 / 21684	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
21719 / 21713	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
21720 / 21714	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
22230 / 22224	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22290 / 22284	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
22380 / 22374	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
22440 / 22434	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
24300 / 24294	DEF AT salt	DEF AT 5
24780 / 24774	DEF AT base of salt	DEF AT 5
24781 / 24775	DEF AT local marker floral increase	DEF AT 5
24840 / 24834	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
24900 / 24894	DEF AT out-of-place section	DEF AT 5
24930 / 24924	DEF AT reworked material	DEF AT 5
25079 / 25073	DEF IN Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
25080 / 25074	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 5
25140 / 25134	DEF AT reworked material	DEF AT 5
25170 / 25164	DEF AT out-of-place section	DEF AT 5
25230 / 25224	DEF AT salt	DEF AT 5
26610 / 26603	DEF AT base of salt	DEF AT 5
26670 / 26663	DEF AT out-of-place section	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 434	Date of Summary: 10-APR-2007	First Sample Examined: 17150
Lease Number: G21395	Source of Paleo: OPERATOR	Borehole MD: 27712
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27705
API Well Number: 608074028101	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 17150 - 27180	Water Depth: 2509
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27711 / 27704	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 515	Date of Summary: 29-JUL-1999	First Sample Examined: 0
Lease Number: G20792	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10023
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10022
API Well Number: 608074020500	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3243
Public Info Code: Y 25-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5390 / 5390	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5750 / 5750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
6770 / 6770	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9050 / 9050	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 01-AUG-1999	First Sample Examined: 13520
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 21235
Well Name: SE001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 18818
API Well Number: 608074020900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 13520 - 21235	Water Depth: 3380
Public Info Code: Y 14-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
13520 / 12762	DEF AT first sample examined	DEF AT
15530 / 14293	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17570 / 15869	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
19550 / 17436	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21235 / 18818	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 15-SEP-1999	First Sample Examined: 13520
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 21235
Well Name: SE001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18818
API Well Number: 608074020900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 13520 - 21230	Water Depth: 3380
Public Info Code: Y 14-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13520 / 12762	DEF AT first sample examined	DEF AT
13521 / 12763	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
15440 / 14223	DEF AT - - - - -	DEF AT 3
15470 / 14247	DEF AT local marker planktic foram increase	DEF AT 4
15500 / 14270	DEF AT local marker planktic foram increase	DEF AT 4
15590 / 14340	DEF AT - - - - -	DEF AT 5
15680 / 14410	DEF AT - - - - -	DEF AT 3
15710 / 14434	DEF AT - - - - -	DEF AT 4
15950 / 14622	DEF AT - - - - -	DEF AT 3
16130 / 14763	DEF AT - - - - -	DEF AT 4
17330 / 15682	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	POS AT 4
17360 / 15705	DEF AT - - - - -	DEF AT 4
19910 / 17727	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20150 / 17921	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21235 / 18818	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 01-SEP-1999	First Sample Examined: 18000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 21920
Well Name: SE001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19184
API Well Number: 608074020901	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18000 - 21900	Water Depth: 3380
Public Info Code: Y 20-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
18000 / 16207	DEF AT first sample examined	DEF	AT
19680 / 17390	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	AT
19740 / 17432	DEF AT faunal change (no faunal increase)	DEF	AT 4
21690 / 18989	DEF AT local marker planktic foram increase	DEF	AT 4
21810 / 19091	DEF AT gray shale	DEF	AT 4
21900 / 19167	DEF AT last sample examined	DEF	AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 01-SEP-1999	First Sample Examined: 18000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 21920
Well Name: SE001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 19184
API Well Number: 608074020901	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 18000 - 21918	Water Depth: 3380
Public Info Code: Y 20-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
18000 / 16207	DEF AT first sample examined	DEF AT
19080 / 16975	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
19710 / 17411	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
21690 / 18989	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21918 / 19182	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 06-JAN-2001	First Sample Examined: 18990
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 25823
Well Name: SE001	Paleo Done By: OPERATOR	Borehole TVD: 20983
API Well Number: 608074020902	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18990 - 25823	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Serrano Prospect done by Ragan Biostrat, 19530=at or below Globorotalia hirsuta, 20010=faunal increase at lower Globorotalia hirsuta, 21990=faunal increase with Globorotalia crassiformis coiling change from left to right, 22020=Globorotalia triangula (consistent), 25590=Globorotalia extremus, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18990 / 16907	DEF AT first sample examined	DEF IN 3
19140 / 17026	DEF AT faunal change (no faunal increase)	DEF AT 2
19290 / 17147	DEF AT faunal change (no faunal increase)	DEF AT 4
19500 / 17319	DEF AT faunal change (no faunal increase)	DEF AT 5
19530 / 17344	DEF IN local marker planktic foram increase	DEF AT 5
19620 / 17419	DEF AT local marker foram increase	DEF AT 5
19740 / 17521	DEF AT faunal change (no faunal increase)	DEF AT 4
19920 / 17672	DEF AT faunal change (no faunal increase)	DEF AT 5
19950 / 17696	DEF AT local marker foram increase	DEF AT 5
20010 / 17744	DEF AT local marker planktic foram increase	DEF AT 5
20520 / 18122	DEF AT faunal change (no faunal increase)	DEF IN 3
20770 / 18300	DEF AT local marker foram increase	DEF AT 4
20830 / 18343	DEF AT faunal change (no faunal increase)	DEF AT 5
20980 / 18451	DEF AT faunal change (no faunal increase)	DEF AT 4
21060 / 18508	DEF AT faunal change (no faunal increase)	DEF IN 3
21210 / 18616	DEF AT faunal change (no faunal increase)	DEF AT 4
21270 / 18659	DEF AT out-of-place section	DEF AT 5
21300 / 18680	DEF AT local marker foram increase	DEF AT 5
21390 / 18745	DEF AT faunal change (no faunal increase)	DEF AT 4
21480 / 18809	DEF AT local marker foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 06-JAN-2001	First Sample Examined: 18990
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 25823
Well Name: SE001	Paleo Done By: OPERATOR	Borehole TVD: 20983
API Well Number: 608074020902	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18990 - 25823	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
21570 / 18873	DEF AT faunal change (no faunal increase)	DEF AT 5
21690 / 18957	DEF AT faunal change (no faunal increase)	DEF AT 4
21930 / 19128	DEF AT faunal change (no faunal increase)	DEF AT 5
21990 / 19170	DEF AT local marker planktic foram increase	DEF AT 5
22020 / 19191	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
22110 / 19251	DEF AT local marker foram increase	DEF AT 5
22290 / 19357	DEF AT faunal change (no faunal increase)	DEF AT 4
22500 / 19459	DEF AT faunal change (no faunal increase)	DEF AT 5
22680 / 19542	DEF AT local marker foram increase	DEF AT 5
23130 / 19746	DEF AT faunal change (no faunal increase)	DEF AT 3
23250 / 19798	DEF AT faunal change (no faunal increase)	DEF IN 3
23280 / 19811	DEF AT faunal change (no faunal increase)	DEF AT 4
23730 / 20009	DEF AT faunal change (no faunal increase)	DEF AT 5
23760 / 20022	DEF AT faunal change (no faunal increase)	DEF AT 4
24540 / 20373	DEF AT faunal change (no faunal increase)	DEF AT 5
24660 / 20428	DEF AT faunal change (no faunal increase)	DEF AT 4
25170 / 20666	DEF AT local marker foram increase	DEF AT 4
25200 / 20681	DEF AT faunal change (no faunal increase)	DEF AT 5
25230 / 20695	DEF AT local marker foram increase	DEF AT 5
25380 / 20767	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
25381 / 20767	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
25410 / 20781	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
25470 / 20810	DEF AT local marker foram increase	DEF AT 5
25530 / 20839	DEF AT local marker foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 06-JAN-2001	First Sample Examined: 18990
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 25823
Well Name: SE001	Paleo Done By: OPERATOR	Borehole TVD: 20983
API Well Number: 608074020902	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18990 - 25823	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
25590 / 20868	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
25740 / 20943	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
25823 / 20984	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 17-JAN-2001	First Sample Examined: 18990
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 25823
Well Name: SE001	Paleo Done By: OPERATOR	Borehole TVD: 20983
API Well Number: 608074020902	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 18990 - 25823	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Serrano Prospect, calcareous nannofossil report done by Morin Biostratigraphic Services, 25590=R haqii increase, 25680=Discoaster cf surculus, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18990 / 16907	DEF AT first sample examined	DEF AT
19470 / 17294	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
19920 / 17672	DEF AT local marker floral increase	DEF AT
20010 / 17744	DEF AT reworked material	DEF AT
20770 / 18300	DEF AT local marker floral increase	DEF AT
20771 / 18301	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
20920 / 18408	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21960 / 19149	DEF AT local marker floral increase	DEF AT
22140 / 19270	DEF AT local marker floral increase	DEF AT
22530 / 19473	DEF AT local marker floral increase	DEF AT
22710 / 19556	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
25140 / 20652	DEF AT local marker floral increase	DEF AT
25350 / 20752	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
25590 / 20868	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
25680 / 20913	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
25770 / 20957	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
25823 / 20984	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 01-JAN-2001	First Sample Examined: 20550
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 24979
Well Name: SE001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 20961
API Well Number: 608074020903	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 20550 - 24979	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20730 / 18291	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
23490 / 20076	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
24000 / 20370	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 01-FEB-2001	First Sample Examined: 20550
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 24979
Well Name: SE001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20961
API Well Number: 608074020903	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 20550 - 24960	Water Depth: 3380
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
20550 / 18150	DEF AT -----	DEF AT 0
21330 / 18760	DEF AT sand	DEF AT
21420 / 18825	DEF AT faunal change (no faunal increase)	DEF AT
21450 / 18846	DEF AT gray shale	DEF AT
21480 / 18867	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT
21540 / 18909	DEF AT -----	DEF AT 4
21570 / 18930	DEF AT -----	DEF AT 0
21840 / 19105	DEF AT faunal change (no faunal increase)	DEF AT 4
21930 / 19159	DEF AT -----	DEF AT 0
22080 / 19248	DEF AT -----	DEF AT 4
22110 / 19265	DEF AT -----	DEF AT 0
22140 / 19282	DEF AT -----	DEF AT 4
22170 / 19300	DEF AT -----	DEF AT 0
22320 / 19387	DEF AT sand	DEF AT
22380 / 19422	DEF AT -----	DEF AT 4
22410 / 19439	DEF AT -----	DEF AT 0
22440 / 19457	DEF AT -----	DEF AT 4
22470 / 19474	DEF AT -----	DEF AT 0
22950 / 19760	DEF AT sand	DEF AT
23550 / 20111	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
23610 / 20147	DEF AT -----	DEF AT 4
23640 / 20164	DEF AT -----	DEF AT 0

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516
Lease Number: G11528
Well Name: SE001
API Well Number: 608074020903
Paleo Report Num: 2 of 2
Public Info Code: Y 19-SEP-2010

Date of Summary: 01-FEB-2001
Source of Paleo: OPERATOR
Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.
Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC
Sample Range: 20550 - 24960
Ecozone Eq MMS: Y

First Sample Examined: 20550
Borehole MD: 24979
Borehole TVD: 20961
Rkb Elevation: 85
Water Depth: 3380
Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
23670 / 20182	DEF AT -----	DEF AT 4
23700 / 20199	DEF AT -----	DEF AT 0
24000 / 20370	DEF AT -----	DEF AT 4
24060 / 20405	DEF AT -----	DEF AT 0
24090 / 20423	DEF AT -----	DEF AT 4
24180 / 20475	DEF AT sand	DEF AT 4
24210 / 20493	DEF AT -----	DEF AT 0
24240 / 20511	DEF AT -----	DEF AT 4
24270 / 20529	DEF AT -----	DEF AT 0
24630 / 20746	DEF AT -----	DEF AT 4
24660 / 20764	DEF AT -----	DEF AT 0
24690 / 20783	DEF AT -----	DEF AT 4
24720 / 20801	DEF AT -----	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 20-NOV-2002	First Sample Examined: 19980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 22708
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 18804
API Well Number: 608074024300	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 19980 - 22710	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report done by Morin Biostratigraphic Studies, 22710=above Upper Miocene Discoaster brouweri consistent, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19980 / 16833	DEF AT first sample examined	DEF AT
20130 / 16944	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
20610 / 17305	DEF AT local marker floral increase	DEF AT
20670 / 17350	DEF AT local marker floral increase	DEF AT
21059 / 17644	POS AT reworked material	DEF AT
21060 / 17645	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
21840 / 18214	DEF AT local marker floral increase	DEF AT
21990 / 18316	DEF AT local marker floral increase	DEF AT
22020 / 18336	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
22500 / 18662	DEF AT local marker floral increase	DEF AT
22710 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 21-NOV-2002	First Sample Examined: 19980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 22708
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 18804
API Well Number: 608074024300	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 19980 - 22708	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Paleo done by Ragan Biostrat, 20130=faunal increase with Globorotalia hirsuta variety, 22470=faunal increase with Globorotalia crassaformis (dextral), foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19980 / 16833	DEF AT first sample examined	DEF AT
20100 / 16922	DEF AT - - - - -	DEF AT 4
20130 / 16944	DEF AT local marker planktic foram increase	DEF AT 5
20220 / 17011	DEF AT - - - - -	DEF AT 4
20610 / 17305	DEF AT local marker foram increase	DEF AT 5
20670 / 17350	DEF AT local marker foram increase	DEF AT 5
20880 / 17509	DEF AT local marker foram increase	DEF AT 5
21030 / 17623	DEF AT local marker foram increase	DEF AT 5
21180 / 17736	DEF AT - - - - -	DEF AT 4
21420 / 17917	POS AT local marker foram increase	DEF AT 5
21450 / 17939	DEF AT - - - - -	DEF AT 3
21600 / 18048	DEF AT - - - - -	DEF AT 5
21630 / 18070	POS AT local marker foram increase	DEF AT 4
21900 / 18254	DEF AT local marker foram increase	DEF AT 4
22170 / 18438	DEF AT local marker foram increase	DEF AT 4
22200 / 18458	DEF AT - - - - -	DEF AT 5
22470 / 18642	DEF AT local marker planktic foram increase	DEF AT 5
22708 / 18804	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 07-DEC-2002	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report done by Morin Biostratigraphic Studies, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
20000 / 17089	DEF AT first sample examined	DEF AT
20001 / 17090	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
20180 / 17231	DEF AT local marker floral increase	DEF AT
20990 / 17868	DEF AT local marker floral increase	DEF AT
21440 / 18198	DEF AT local marker floral increase	DEF AT
21530 / 18264	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
22190 / 18683	DEF AT local marker floral increase	DEF AT
23450 / 19217	DEF AT local marker floral increase	DEF AT
24200 / 19541	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
24980 / 19881	DEF AT local marker floral increase	DEF AT
26630 / 20645	DEF AT local marker floral increase	DEF AT
26660 / 20660	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
26840 / 20756	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
27230 / 20996	DEF AT local marker floral increase	DEF AT
27500 / 21185	DEF AT local marker floral increase	DEF AT
28100 / 21612	DEF AT local marker floral increase	DEF AT
28280 / 21752	DEF AT local marker floral increase	DEF AT
28580 / 21989	DEF AT local marker floral increase	DEF AT
28658 / 22051	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 06-JAN-2003	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Serrano Prospect, 20001=probably below Globorotalia hirsuta variety, 21290=out of place Oligocene fauna, 21980=Globorotalia crassiformis coiling change left to right, 22040=consistent Globorotalia triangula, 28658=still above Upper Pliocene Globoquadrina altispira, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
20000 / 17089	DEF AT first sample examined	DEF AT 5
20001 / 17090	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
20270 / 17302	DEF AT local marker foram increase	DEF AT 5
20360 / 17374	DEF AT - - - - -	DEF IN 3
20420 / 17422	DEF AT - - - - -	DEF AT 4
20510 / 17493	DEF AT - - - - -	DEF AT 5
20600 / 17565	DEF AT - - - - -	DEF AT 0
20660 / 17613	DEF AT - - - - -	DEF AT 4
20690 / 17636	DEF AT - - - - -	DEF AT 3
20870 / 17776	DEF AT - - - - -	DEF IN 3
20900 / 17799	DEF AT - - - - -	DEF AT 3
20930 / 17822	DEF AT - - - - -	DEF AT 0
20990 / 17868	DEF AT - - - - -	DEF IN 3
21080 / 17935	DEF AT - - - - -	DEF AT 4
21170 / 18002	DEF AT - - - - -	DEF AT 5
21230 / 18046	DEF AT local marker foram increase	DEF AT 5
21290 / 18090	DEF AT out-of-place section	DEF AT 5
21500 / 18242	DEF AT local marker foram increase	DEF AT 5
21980 / 18565	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
22040 / 18601	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 06-JAN-2003	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
22190 / 18683	DEF AT local marker foram increase	DEF AT 5
22460 / 18814	DEF AT local marker foram increase	DEF AT 5
22970 / 19019	DEF AT - - - - -	DEF AT 4
23120 / 19081	DEF AT - - - - -	DEF AT 5
23180 / 19106	DEF AT local marker foram increase	DEF AT 5
23330 / 19168	DEF AT local marker foram increase	DEF AT 5
23450 / 19217	DEF AT - - - - -	DEF AT 4
23510 / 19242	DEF AT local marker foram increase	DEF AT 4
23600 / 19280	DEF AT - - - - -	DEF AT 5
24410 / 19634	DEF AT local marker foram increase	DEF AT 5
24590 / 19711	DEF AT - - - - -	DEF AT 4
24740 / 19777	DEF AT - - - - -	DEF AT 5
24950 / 19868	DEF AT local marker foram increase	DEF AT 5
25010 / 19894	DEF AT local marker foram increase	DEF AT 5
25340 / 20039	DEF AT - - - - -	DEF AT 4
25520 / 20118	DEF AT - - - - -	DEF AT 5
25850 / 20269	DEF AT - - - - -	DEF AT 4
26060 / 20371	DEF AT local marker foram increase	DEF AT 4
26090 / 20386	DEF AT - - - - -	DEF AT 5
26630 / 20645	DEF AT local marker foram increase	DEF AT 5
26690 / 20675	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
26840 / 20756	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
27560 / 21227	DEF AT local marker foram increase	DEF AT 5
28040 / 21568	DEF AT local marker foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 06-JAN-2003	First Sample Examined: 20000
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 28658
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 22050
API Well Number: 608074024301	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 20000 - 28658	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28658 / 22051	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 07-FEB-2003	First Sample Examined: 21980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 29171
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 21360
API Well Number: 608074024302	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 21980 - 29171	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Serrano Prospect, calcareous nannofossil report done by Morin Biostratigraphic Services, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21980 / 18569	DEF AT first sample examined	DEF AT
22100 / 18652	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
22910 / 19168	DEF AT local marker floral increase	DEF AT
24140 / 19890	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
24290 / 19970	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
24350 / 20002	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
24800 / 20246	DEF AT local marker floral increase	DEF AT
25640 / 20628	DEF AT local marker floral increase	DEF AT
26120 / 20827	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
27140 / 21242	DEF AT local marker floral increase	DEF AT
27500 / 21348	DEF AT local marker floral increase	DEF AT
28280 / 21476	DEF AT local marker floral increase	DEF AT
28670 / 21463	DEF AT local marker floral increase	DEF AT
29171 / 21360	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 09-FEB-2003	First Sample Examined: 21980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 29171
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 21360
API Well Number: 608074024302	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 21980 - 29171	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Serrano Prospect, paleo done by Ragan Biostrat, 21980=below Lower Pleistocene Globorotalia crassiformis coiling change left to right, 22010=in Lower Pleistocene Globorotalia triangula, 26120,26260=rare Lower Pleistocene Globorotalia limbata, 28580=Lower Pleistocene Globorotalia puncticulata, species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21980 / 18569	DEF AT first sample examined	DEF AT 5
21981 / 18570	DEF IN Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF AT 5
22010 / 18590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
22070 / 18631	DEF AT local marker foram increase	DEF AT 5
22250 / 18751	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23270 / 19397	DEF AT - - - - -	DEF AT 4
23510 / 19548	DEF AT - - - - -	POS AT 4
23600 / 19600	DEF AT - - - - -	DEF AT 3
23750 / 19682	DEF AT - - - - -	DEF AT 4
23780 / 19698	DEF AT local marker foram increase	DEF AT 4
23870 / 19746	DEF AT - - - - -	DEF AT 5
23900 / 19762	DEF AT - - - - -	DEF AT 4
24050 / 19843	DEF AT - - - - -	DEF AT 5
24080 / 19858	DEF AT local marker foram increase	DEF AT 5
24140 / 19890	DEF AT local marker foram increase	DEF AT 5
24290 / 19970	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
24320 / 19986	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
24770 / 20230	DEF AT local marker foram increase	DEF AT 5
24890 / 20295	DEF AT local marker foram increase	DEF AT 5
24980 / 20342	DEF AT local marker foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 09-FEB-2003	First Sample Examined: 21980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 29171
Well Name: SE003	Paleo Done By: OPERATOR	Borehole TVD: 21360
API Well Number: 608074024302	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 21980 - 29171	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
25430 / 20541	DEF AT local marker foram increase	DEF AT 5
25550 / 20590	DEF AT local marker foram increase	DEF AT 5
25910 / 20741	DEF AT local marker foram increase	DEF AT 5
26119 / 20827	POS AT reworked material	DEF AT 5
26120 / 20827	POS AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
26210 / 20863	DEF AT - - - - -	DEF AT 4
26450 / 20963	DEF AT - - - - -	DEF AT 5
26510 / 20988	DEF AT local marker foram increase	DEF AT 5
26600 / 21026	DEF AT local marker foram increase	DEF AT 5
26750 / 21087	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
26810 / 21112	DEF AT local marker foram increase	DEF AT 5
26900 / 21149	DEF AT local marker foram increase	DEF AT 5
27140 / 21242	DEF AT - - - - -	DEF AT 4
27320 / 21300	DEF AT - - - - -	DEF AT 5
27470 / 21341	DEF AT - - - - -	DEF AT 4
27620 / 21375	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
27740 / 21403	DEF AT local marker foram increase	DEF AT 5
28040 / 21455	DEF AT - - - - -	DEF AT 4
28580 / 21472	DEF AT local marker planktic foram increase	DEF AT 5
28970 / 21408	DEF AT local marker foram increase	DEF AT 5
29171 / 21360	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 516	Date of Summary: 21-JAN-2003	First Sample Examined: 27980
Lease Number: G11528	Source of Paleo: OPERATOR	Borehole MD: 29547
Well Name: SE003	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 21882
API Well Number: 608074024303	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 27980 - 29547	Water Depth: 3394
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Serrano Prospect

MD / TVD	Paleo Top Description	Ecozone
27980 / 21133	DEF AT first sample examined	DEF AT 4
28130 / 21165	DEF AT - - - - -	DEF AT 5
28160 / 21172	DEF AT - - - - -	DEF AT 4
28460 / 21257	DEF AT - - - - -	DEF AT 5
28490 / 21267	DEF AT - - - - -	DEF AT 4
28520 / 21278	DEF AT - - - - -	DEF AT 5
28550 / 21289	DEF AT - - - - -	DEF AT 4
29180 / 21624	DEF AT - - - - -	DEF AT 5
29210 / 21644	DEF AT - - - - -	DEF AT 4
29360 / 21748	DEF AT - - - - -	DEF AT 5
29390 / 21769	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
29480 / 21834	DEF AT faunal change (no faunal increase)	DEF AT 4
29540 / 21877	DEF AT local marker foram increase	DEF AT 4
29547 / 21882	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-APR-1999	First Sample Examined: 14010
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: OR001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 19385
API Well Number: 608074019900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14010 - 19470	Water Depth: 3400
Public Info Code: Y 26-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
14010 / 13965	DEF AT first sample examined	DEF AT
14011 / 13966	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15390 / 15328	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
15960 / 15891	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
16350 / 16275	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16470 / 16394	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16529 / 16452	POS AT reworked material	DEF AT
16530 / 16453	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16890 / 16808	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17880 / 17785	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
18300 / 18199	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18570 / 18466	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18660 / 18555	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19470 / 19355	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 21-APR-1999	First Sample Examined: 13980
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: OR001	Paleo Done By: OPERATOR	Borehole TVD: 19385
API Well Number: 608074019900	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13980 - 19500	Water Depth: 3400
Public Info Code: Y 26-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
13980 / 13936	DEF AT first sample examined	DEF AT
14250 / 14202	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
14310 / 14262	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
14400 / 14351	DEF AT local marker foram decrease	DEF IN 4
15389 / 15327	POS AT reworked material	DEF IN 4
15390 / 15328	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
16350 / 16275	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
16890 / 16808	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
17880 / 17785	POS AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 4
18240 / 18140	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
18270 / 18169	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 4
18600 / 18495	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
18690 / 18584	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
19500 / 19385	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-SEP-2000	First Sample Examined: 13890
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: OR001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18455
API Well Number: 608074019901	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 13890 - 19490	Water Depth: 3400
Public Info Code: Y 01-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13890 / 13847	DEF AT first sample examined	DEF AT
14490 / 14439	DEF AT sand	DEF AT
14820 / 14758	DEF AT gray shale	DEF AT
16290 / 15959	DEF AT - - - - -	DEF AT 4
16650 / 16238	DEF AT faunal change (no faunal increase)	DEF AT 4
18450 / 17632	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
18929 / 18004	DEF AT Arenaceous fauna (local marker)	POS AT 4
18930 / 18005	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	POS AT 4
18990 / 18052	DEF AT - - - - -	DEF AT 4
19490 / 18448	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-OCT-2000	First Sample Examined: 13980
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19500
Well Name: OR001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 18455
API Well Number: 608074019901	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 13980 - 19500	Water Depth: 3400
Public Info Code: Y 01-OCT-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13980 / 13936	DEF AT first sample examined	DEF AT
14280 / 14232	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
16230 / 15913	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
17880 / 17195	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
18270 / 17493	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18540 / 17702	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19200 / 18217	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19500 / 18456	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-OCT-2000	First Sample Examined: 14140
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19710
Well Name: OR002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19266
API Well Number: 608074022100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 14140 - 19680	Water Depth: 3400
Public Info Code: Y 01-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
14140 / 14041	DEF AT first sample examined	DEF AT 4
14170 / 14070	DEF AT - - - - -	DEF AT 0
14290 / 14183	DEF AT - - - - -	DEF AT 4
14350 / 14240	DEF AT - - - - -	DEF AT 5
14380 / 14269	DEF AT - - - - -	DEF AT 4
14440 / 14325	DEF AT - - - - -	DEF AT 0
14500 / 14382	POS AT reworked material	DEF AT
14530 / 14411	DEF AT sand	DEF AT
15100 / 14945	DEF AT gray shale	DEF AT
15610 / 15420	DEF AT sand	DEF AT
15970 / 15756	DEF AT sand	DEF AT
16090 / 15867	DEF AT - - - - -	DEF AT 4
16120 / 15895	DEF AT - - - - -	DEF AT 0
16240 / 16007	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT
16300 / 16064	DEF AT poor sample interval top	DEF AT
16330 / 16092	DEF AT - - - - -	DEF AT 4
16360 / 16120	DEF AT - - - - -	DEF AT 0
16570 / 16317	DEF AT local marker foram decrease	DEF AT
16600 / 16345	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT 4
16630 / 16373	DEF AT - - - - -	DEF AT 0
16900 / 16625	DEF AT sand	DEF AT
17350 / 17050	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-OCT-2000	First Sample Examined: 14140
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19710
Well Name: OR002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19266
API Well Number: 608074022100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 14140 - 19680	Water Depth: 3400
Public Info Code: Y 01-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17380 / 17078	DEF AT - - - - -	DEF AT 0
17500 / 17191	DEF AT gray shale	DEF AT
18100 / 17753	DEF AT - - - - -	DEF AT 4
18160 / 17810	DEF AT - - - - -	DEF AT 0
18250 / 17894	DEF AT sand	DEF AT
18430 / 18062	DEF AT faunal change (no faunal increase)	DEF AT 4
18580 / 18202	DEF AT - - - - -	DEF AT 0
18610 / 18230	DEF AT - - - - -	DEF AT 4
18700 / 18315	DEF AT - - - - -	DEF AT 0
18730 / 18344	DEF AT local marker foram decrease	DEF AT
18790 / 18401	DEF AT - - - - -	DEF AT 4
18820 / 18429	DEF AT - - - - -	DEF AT 0
18940 / 18543	DEF AT gray shale	DEF AT
19270 / 18855	DEF AT sand	DEF AT
19680 / 19240	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-NOV-2000	First Sample Examined: 14260
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19710
Well Name: OR002	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 19266
API Well Number: 608074022100	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 14260 - 19710	Water Depth: 3400
Public Info Code: Y 01-NOV-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
14260 / 14155	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
15310 / 15141	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16180 / 15951	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
16510 / 16261	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
18100 / 17753	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18460 / 18090	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-OCT-2000	First Sample Examined: 17800
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19687
Well Name: OR002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19276
API Well Number: 608074022101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 17800 - 19660	Water Depth: 3400
Public Info Code: Y 07-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
17800 / 17472	DEF AT first sample examined	DEF AT
18520 / 18157	DEF AT faunal change (no faunal increase)	DEF AT 4
18550 / 18186	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
18610 / 18243	DEF AT - - - - -	DEF AT 0
18640 / 18272	DEF AT - - - - -	DEF AT 4
18670 / 18301	DEF AT - - - - -	DEF AT 0
18700 / 18329	DEF AT sand	DEF AT
19210 / 18818	DEF AT sand	DEF AT
19360 / 18962	DEF AT gray shale	DEF AT
19660 / 19250	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-DEC-2000	First Sample Examined: 17800
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19687
Well Name: OR002	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 19276
API Well Number: 608074022101	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 17800 - 19687	Water Depth: 3400
Public Info Code: Y 07-NOV-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17890 / 17556	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18700 / 18329	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-NOV-2000	First Sample Examined: 17790
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19580
Well Name: OR002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19245
API Well Number: 608074022102	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 17790 - 19560	Water Depth: 3400
Public Info Code: Y 23-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
17790 / 17536	DEF AT first sample examined	DEF AT
17880 / 17622	DEF AT - - - - -	DEF AT 4
17910 / 17650	DEF AT - - - - -	DEF AT 0
18030 / 17765	DEF AT sand	DEF AT
18390 / 18109	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
18420 / 18138	DEF AT - - - - -	DEF AT 4
18600 / 18311	DEF AT - - - - -	DEF AT 0
18660 / 18368	DEF AT - - - - -	DEF AT 4
18690 / 18397	DEF AT - - - - -	DEF AT 0
18720 / 18426	DEF AT - - - - -	DEF AT 4
18750 / 18454	DEF AT - - - - -	DEF AT 0
19050 / 18743	DEF AT - - - - -	DEF AT 4
19080 / 18772	DEF AT - - - - -	DEF AT 0
19560 / 19235	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-DEC-2000	First Sample Examined: 17790
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19580
Well Name: OR002	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 19245
API Well Number: 608074022102	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 17790 - 19580	Water Depth: 3400
Public Info Code: Y 23-NOV-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
17790 / 17536	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
18390 / 18109	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18570 / 18282	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-NOV-2000	First Sample Examined: 17800
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19670
Well Name: OR002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19435
API Well Number: 608074022103	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 17800 - 19680	Water Depth: 3400
Public Info Code: Y 28-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
17800 / 17571	DEF AT first sample examined	POS	AT	4
17890 / 17660	DEF AT faunal change (no faunal increase)	DEF	AT	4
18430 / 18196	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	4
19320 / 19085	DEF AT gray shale	DEF	AT	4
19680 /	DEF AT last sample examined	DEF	AT	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 559	Date of Summary: 01-DEC-2000	First Sample Examined: 17800
Lease Number: G11546	Source of Paleo: OPERATOR	Borehole MD: 19670
Well Name: OR002	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 19435
API Well Number: 608074022103	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 17800 - 19670	Water Depth: 3400
Public Info Code: Y 28-NOV-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18010 / 17779	POS IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18640 / 18406	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 562	Date of Summary: 29-SEP-2000	First Sample Examined: 9008
Lease Number: G20794	Source of Paleo: OPERATOR	Borehole MD: 19831
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19491
API Well Number: 608074021900	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 9008 - 19830	Water Depth: 3310
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9008 / 9008	DEF AT first sample examined	DEF AT 5
9900 / 9900	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12960 / 12921	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
14880 / 14755	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15179 / 15043	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15180 / 15044	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
17520 / 17291	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
19230 / 18918	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
19830 / 19490	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 562	Date of Summary: 29-SEP-2000	First Sample Examined: 9008
Lease Number: G20794	Source of Paleo: OPERATOR	Borehole MD: 19831
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19491
API Well Number: 608074021900	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 9008 - 19830	Water Depth: 3310
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9008 / 9008	DEF AT first sample examined	DEF AT
9870 / 9870	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11250 / 11249	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11970 / 11965	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14850 / 14727	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15150 / 15015	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17520 / 17291	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17760 / 17520	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
18900 / 18605	POS AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
19200 / 18890	DEF AT Lower Pliocene (Zanclean) Sphenolithus verensis	DEF AT
19290 / 18976	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
19500 / 19175	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19530 / 19204	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19830 / 19490	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 600	Date of Summary: 26-SEP-2001	First Sample Examined: 0
Lease Number: G22326	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 24135
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 24127
API Well Number: 608074023200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2934
Public Info Code: Y 16-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7130 / 7130	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
13880 / 13879	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16730 / 16729	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17570 / 17568	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21500 / 21496	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
23000 / 22993	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
23180 / 23173	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
23330 / 23322	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 602	Date of Summary: 05-OCT-1999	First Sample Examined: 19020
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 22855
Well Name: A004	Paleo Done By: THOMAS REILLY	Borehole TVD: 22675
API Well Number: 608074019300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 19020 - 22850	Water Depth: 3708
Public Info Code: Y 27-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
19020 / 18840	DEF AT first sample examined	DEF IN 3
19170 / 18990	DEF AT local marker foram increase	DEF AT 4
19200 / 19020	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
19500 / 19320	DEF AT faunal change (no faunal increase)	DEF IN 3
21270 / 21090	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
21540 / 21360	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
21770 / 21590	DEF AT local marker foram increase	DEF AT 4
21860 / 21680	DEF AT local marker foram increase	DEF AT 4
21880 / 21700	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 4
21950 / 21770	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
22390 / 22210	DEF AT local marker foram increase	DEF AT 4
22410 / 22230	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
22640 / 22460	DEF AT local marker foram increase	DEF AT 4
22700 / 22520	DEF IN Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 4
22760 / 22580	DEF AT gouge	DEF AT 4
22761 / 22581	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
22790 / 22610	POS AT salt	DEF AT 4
22800 / 22620	DEF AT reworked material	DEF AT 4
22850 / 22670	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 602	Date of Summary: 27-OCT-2001	First Sample Examined: 17300
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 25271
Well Name: A004	Paleo Done By: THOMAS REILLY	Borehole TVD: 24234
API Well Number: 608074019301	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 17300 - 25280	Water Depth: 3708
Public Info Code: Y 02-FEB-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
17300 / 17207	DEF AT first sample examined	DEF IN 3
17660 / 17563	DEF AT faunal change (no faunal increase)	DEF AT 4
17780 / 17681	DEF AT faunal change (no faunal increase)	DEF IN 3
18440 / 18334	DEF AT faunal change (no faunal increase)	DEF AT 4
19400 / 19282	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
20090 / 19950	DEF AT faunal change (no faunal increase)	DEF IN 3
20990 / 20789	DEF AT faunal change (no faunal increase)	DEF AT 4
21050 / 20842	DEF AT local marker foram increase	DEF AT 4
21830 / 21479	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
22100 / 21687	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
22820 / 22238	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
23390 / 22655	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
23660 / 22870	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
23810 / 22994	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
24140 / 23263	DEF AT local marker foram increase	DEF AT 4
24830 / 23848	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
25010 / 24003	DEF AT local marker foram increase	DEF AT 4
25250 / 24215	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 602	Date of Summary: 19-NOV-2001	First Sample Examined: 17300
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 25271
Well Name: A004	Paleo Done By: BUGWARE, INC.	Borehole TVD: 24234
API Well Number: 608074019301	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 17300 - 25280	Water Depth: 3708
Public Info Code: Y 02-FEB-2011	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17300 / 17207	DEF AT first sample examined	DEF AT
17301 / 17208	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
17330 / 17237	DEF AT reworked material	DEF AT
17360 / 17266	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
18140 / 18038	DEF AT reworked material	DEF AT
18470 / 18364	DEF AT reworked material	DEF AT
18710 / 18600	POS AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
18740 / 18630	DEF AT reworked material	DEF AT
18890 / 18778	POS IN Middle Pleistocene (Ionian) Gephyrocapsa magerelli	DEF AT
18980 / 18867	DEF AT reworked material	DEF AT
19340 / 19223	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
19430 / 19312	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
19610 / 19487	DEF AT reworked material	DEF AT
19700 / 19574	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20630 / 20459	DEF AT reworked material	DEF AT
21350 / 21099	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
21650 / 21339	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
22730 / 22171	DEF AT reworked material	DEF AT
24170 / 23288	DEF AT local marker floral increase	DEF AT
25250 / 24215	POS AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
25251 / 24216	POS AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT
25280 /	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 602	Date of Summary: 26-JUL-1999	First Sample Examined: 18780
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24197
Well Name: A005	Paleo Done By: THOMAS REILLY	Borehole TVD: 23372
API Well Number: 608074019401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 18780 - 24190	Water Depth: 3693
Public Info Code: Y 28-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
18780 / 18434	DEF AT first sample examined	DEF IN 3
19230 / 18855	DEF AT faunal change (no faunal increase)	DEF AT 4
19290 / 18910	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
19590 / 19189	DEF AT faunal change (no faunal increase)	DEF IN 3
21780 / 21179	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
22230 / 21586	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
22480 / 21812	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
22660 / 21975	DEF AT local marker foram increase	DEF AT 4
23600 / 22830	DEF AT local marker foram increase	DEF AT 4
23610 / 22840	DEF AT local marker foram increase	DEF AT 4
23870 / 23075	DEF AT local marker foram increase	DEF AT 4
23980 / 23175	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
24010 / 23202	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
24070 / 23256	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
24190 / 23366	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 602	Date of Summary: 08-DEC-1999	First Sample Examined: 18570
Lease Number: G11553	Source of Paleo: OPERATOR	Borehole MD: 24197
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 23372
API Well Number: 608074019401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 18570 - 24200	Water Depth: 3693
Public Info Code: Y 28-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone	
18570 / 18236	DEF AT first sample examined	DEF	AT
19200 / 18827	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	IN 3
19230 / 18855	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF	AT 4
19290 / 18910	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT 4
22230 / 21586	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT 4
22231 / 21586	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT 4
22740 / 22048	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT 4
23080 / 22359	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT 4
23910 / 23111	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF	AT 4
23970 / 23166	POS AT condensed section	DEF	AT 4
24200 /	DEF AT last sample examined	DEF	AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 625	Date of Summary: 27-OCT-1998	First Sample Examined: 3550
Lease Number: G15927	Source of Paleo: OPERATOR	Borehole MD: 10835
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10495
API Well Number: 608074064801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 3550 - 10835	Water Depth: 2350
Public Info Code: Y 21-NOV-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Raven Prospect bypass, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
3550 / 3550	DEF AT first sample examined	DEF AT
4690 / 4690	DEF AT local marker floral increase	DEF AT
5470 / 5470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5650 / 5650	DEF AT local marker floral increase	DEF AT
6190 / 6190	DEF AT local marker floral increase	DEF AT
7690 / 7685	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8590 / 8507	DEF AT reworked material	DEF AT
8650 / 8561	DEF AT reworked material	DEF AT
10510 / 10233	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10630 / 10341	DEF AT local marker floral increase	DEF AT
10690 / 10395	DEF AT salt weld	DEF AT
10750 / 10449	DEF AT reworked material	DEF AT
10834 / 10524	DEF IN Oligocene	DEF AT
10835 / 10525	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 625	Date of Summary: 30-OCT-1998	First Sample Examined: 3550
Lease Number: G15927	Source of Paleo: OPERATOR	Borehole MD: 10835
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10495
API Well Number: 608074064801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 3550 - 10835	Water Depth: 2350
Public Info Code: Y 21-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Raven Prospect bypass, 4660=Upper Illinoian interstadial, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3550 / 3550	DEF AT first sample examined	POS AT 3
3551 / 3551	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS AT 3
3580 / 3580	DEF AT faunal change (no faunal increase)	DEF AT 3
3700 / 3700	DEF AT local marker benthic foram increase	DEF AT 3
3910 / 3910	DEF AT limestone	DEF AT 3
4120 / 4120	DEF AT local marker foram increase	DEF AT 3
4540 / 4540	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4630 / 4630	DEF AT faunal change (no faunal increase)	DEF IN 3
4660 / 4660	DEF AT Illinoian fauna (local marker)	DEF IN 4
4720 / 4720	DEF AT pyrite	DEF IN 4
4750 / 4750	DEF AT faunal change (no faunal increase)	DEF AT 4
4870 / 4870	DEF AT local marker benthic foram increase	DEF AT 4
4960 / 4960	DEF AT faunal change (no faunal increase)	DEF IN 3
5140 / 5140	DEF AT faunal change (no faunal increase)	DEF AT 3
5320 / 5320	DEF AT faunal change (no faunal increase)	DEF IN 3
5440 / 5440	DEF AT local marker foram increase	DEF AT 4
5470 / 5470	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
5500 / 5500	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
5650 / 5650	DEF AT local marker foram increase	DEF IN 4
5770 / 5770	DEF AT faunal change (no faunal increase)	DEF AT 4
6040 / 6040	DEF AT local marker foram increase	DEF AT 4
6340 / 6340	DEF AT cement	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 625	Date of Summary: 30-OCT-1998	First Sample Examined: 3550
Lease Number: G15927	Source of Paleo: OPERATOR	Borehole MD: 10835
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10495
API Well Number: 608074064801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 3550 - 10835	Water Depth: 2350
Public Info Code: Y 21-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
6370 / 6370	DEF AT faunal change (no faunal increase)	DEF IN 3
7660 / 7655	DEF AT maximum flooding surface	DEF AT 4
7900 / 7884	DEF AT faunal change (no faunal increase)	DEF IN 3
8380 / 8319	DEF AT local marker foram increase	DEF AT 4
8590 / 8507	DEF AT faunal change (no faunal increase)	DEF IN 3
8800 / 8696	DEF AT faunal change (no faunal increase)	DEF AT 4
8860 / 8750	DEF AT faunal change (no faunal increase)	DEF IN 3
10000 / 9775	DEF AT faunal change (no faunal increase)	DEF AT 3
10510 / 10233	DEF AT local marker foram increase	DEF AT 3
10600 / 10314	DEF AT local marker foram increase	DEF IN 3
10630 / 10341	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10690 / 10395	DEF AT salt weld	DEF AT 4
10691 / 10396	POS IN Oligocene	DEF AT 4
10835 / 10525	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 01-JUN-1999	First Sample Examined: 5857
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 14447
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14302
API Well Number: 608074065400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 5857 - 14447	Water Depth: 3138
Public Info Code: Y 08-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, 11670=Gephyrocapsa (medium) acme, sequence boundaries are found 30 feet (one sample) above each maximum flooding surface (=condensed section), paleobathymetry ranges from upper to lower bathyal throughout the entire interval examined and is generalized

MD / TVD	Paleo Top Description	Ecozone
5857 / 5857	DEF AT first sample examined	POS AT 4
6330 / 6330	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	POS AT 4
6360 / 6360	DEF AT sequence boundary	DEF AT 4
6389 / 6389	DEF AT maximum flooding surface	DEF AT 4
6390 / 6390	DEF AT condensed section	POS AT 4
6598 / 6598	DEF AT maximum flooding surface	DEF AT 4
6599 / 6599	DEF AT condensed section	POS AT 4
6600 / 6600	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	POS AT 4
7380 / 7380	DEF AT sequence boundary	DEF AT 4
7409 / 7409	DEF AT maximum flooding surface	DEF AT 4
7410 / 7410	DEF AT condensed section	POS AT 4
7950 / 7950	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	POS AT 4
8250 / 8250	DEF AT sequence boundary	DEF AT 4
8278 / 8278	DEF AT maximum flooding surface	DEF AT 4
8279 / 8279	DEF AT condensed section	POS AT 4
8280 / 8280	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	POS AT 4
8730 / 8730	DEF AT sequence boundary	DEF AT 4
8758 / 8758	DEF AT maximum flooding surface	DEF AT 4
8759 / 8759	DEF AT condensed section	POS AT 4
8760 / 8760	POS AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	POS AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 01-JUN-1999	First Sample Examined: 5857
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 14447
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14302
API Well Number: 608074065400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 5857 - 14447	Water Depth: 3138
Public Info Code: Y 08-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
8790 / 8790	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 4
9630 / 9630	DEF AT sequence boundary	DEF AT 4
9658 / 9658	DEF AT maximum flooding surface	DEF AT 4
9659 / 9659	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	POS AT 4
9660 / 9660	DEF AT condensed section	POS AT 4
9690 / 9690	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	POS AT 4
10830 / 10830	DEF AT sequence boundary	DEF AT 4
10858 / 10858	DEF AT maximum flooding surface	DEF AT 4
10859 / 10859	DEF AT condensed section	POS AT 4
10860 / 10860	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	POS AT 4
11640 / 11639	DEF AT sequence boundary	DEF AT 4
11668 / 11667	DEF AT maximum flooding surface	DEF AT 4
11669 / 11668	DEF AT condensed section	POS AT 4
11670 / 11669	DEF AT local marker floral increase	POS AT 4
13320 / 13256	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	POS AT 4
13710 / 13623	DEF AT sequence boundary	DEF AT 4
13738 / 13650	DEF AT maximum flooding surface	DEF AT 4
13739 / 13651	DEF AT condensed section	POS AT 4
13740 / 13652	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 4
14070 / 13958	DEF AT sequence boundary	DEF AT 4
14098 / 13984	DEF AT maximum flooding surface	DEF AT 4
14099 / 13985	DEF AT condensed section	POS AT 4
14100 / 13986	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
14447 /	DEF AT last sample examined	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 01-JUN-1999	First Sample Examined: 14447
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 17066
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 16713
API Well Number: 608074065401	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 14447 - 17066	Water Depth: 3138
Public Info Code: Y 21-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, 14550=rare Sphaeroidinellopsis sphaeroides, sequence boundaries are found 20 feet above the maximum flooding surface (condensed section), paleobathymetry ranges from upper to Lower bathyal throughout the entire interval examined and is generalized

MD / TVD	Paleo Top Description	Ecozone
14447 / 14303	DEF AT first sample examined	POS IN 4
14550 / 14398	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 4
15119 / 14924	DEF AT condensed section	POS IN 4
15120 / 14925	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 4
16920 / 16578	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 4
16950 / 16606	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 4
17050 / 16698	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 14-MAR-2001	First Sample Examined: 13950
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 17066
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16713
API Well Number: 608074065401	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 13950 - 16170	Water Depth: 3138
Public Info Code: Y 21-JUN-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 / 13847	DEF AT first sample examined	DEF AT
14010 / 13902	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16170 / 15892	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 01-JUN-2000	First Sample Examined: 13950
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 19147
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 17936
API Well Number: 608074065402	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 13950 - 19147	Water Depth: 3138
Public Info Code: Y 18-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno high-resolution biostratigraphic analysis and identification of sequence boundaries and maximum flooding surfaces, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13950 / 13847	DEF AT first sample examined	DEF IN 4
14010 / 13902	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
14070 / 13957	POS AT sequence boundary	DEF IN 4
14099 / 13984	DEF AT maximum flooding surface	DEF IN 4
14100 / 13985	DEF AT condensed section	DEF IN 4
14130 / 14012	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 4
14250 / 14120	DEF AT - - - - -	POS IN 4
15570 / 15025	DEF AT local marker planktic foram increase	POS IN 4
17060 / 16121	POS AT sequence boundary	POS IN 4
17099 / 16152	DEF AT maximum flooding surface	POS IN 4
17100 / 16153	DEF AT condensed section	POS IN 4
17160 / 16201	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	POS IN 4
18750 / 17579	DEF AT - - - - -	DEF IN 4
18838 / 17659	DEF AT sequence boundary	DEF IN 4
18839 / 17659	POS AT unconformity	DEF IN 4
18840 / 17660	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF IN 4
18868 / 17685	DEF AT maximum flooding surface	DEF IN 4
18869 / 17686	DEF AT condensed section	DEF IN 4
18870 / 17687	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF IN 4
19110 / 17903	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 14-MAR-2001	First Sample Examined: 13950
Lease Number: G17407	Source of Paleo: OPERATOR	Borehole MD: 19147
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17936
API Well Number: 608074065402	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 13950 - 19140	Water Depth: 3138
Public Info Code: Y 18-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13950 / 13847	DEF AT first sample examined	DEF AT
14010 / 13902	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18060 / 16958	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19140 / 17930	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 05-DEC-2000	First Sample Examined: 8650
Lease Number: G17408	Source of Paleo: OPERATOR	Borehole MD: 14401
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12569
API Well Number: 608074065403	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 8650 - 14398	Water Depth: 3138
Public Info Code: Y 16-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8650 / 8650	DEF AT first sample examined	DEF AT 5
8710 / 8710	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14398 / 12567	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 05-DEC-2000	First Sample Examined: 8650
Lease Number: G17408	Source of Paleo: OPERATOR	Borehole MD: 14401
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12569
API Well Number: 608074065403	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 8650 - 14398	Water Depth: 3138
Public Info Code: Y 16-NOV-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8650 / 8650	DEF AT first sample examined	DEF AT
8651 / 8651	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9490 / 9437	DEF AT reworked material	DEF AT
9850 / 9713	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
11410 / 10567	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14350 / 12527	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14351 / 12527	DEF AT reworked material	DEF AT
14398 / 12567	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 05-DEC-2000	First Sample Examined: 13630
Lease Number: G17408	Source of Paleo: OPERATOR	Borehole MD: 15339
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13479
API Well Number: 608074065404	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 13630 - 15340	Water Depth: 3138
Public Info Code: Y 09-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 / 11931	DEF AT first sample examined	DEF AT 5
15340 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 668	Date of Summary: 05-DEC-2000	First Sample Examined: 13630
Lease Number: G17408	Source of Paleo: OPERATOR	Borehole MD: 15339
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13479
API Well Number: 608074065404	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 13630 - 15340	Water Depth: 3138
Public Info Code: Y 09-DEC-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 / 11931	DEF AT first sample examined	DEF AT
14350 / 12539	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15340 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 778	Date of Summary: 26-MAR-2008	First Sample Examined: 12930
Lease Number: G19175	Source of Paleo: OPERATOR	Borehole MD: 23972
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23082
API Well Number: 608074028900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12930 - 23972	Water Depth: 3800
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Clearwater Prospect, calcareous nannofossil report done by Morin Biostratigraphic Services, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12930 / 12929	DEF AT first sample examined	DEF AT
12931 / 12930	DEF IN gouge	DEF AT
13530 / 13529	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14700 / 14688	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17070 / 16840	DEF AT local marker floral increase	DEF AT
17190 / 16948	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17250 / 17003	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
17910 / 17599	DEF AT local marker floral increase	DEF AT
17940 / 17626	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
18600 / 18223	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18960 / 18549	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19410 / 18955	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
19530 / 19064	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19890 / 19389	DEF AT local marker floral increase	DEF AT
20460 / 19905	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
20550 / 19986	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
21040 / 20429	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
21130 / 20511	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
21250 / 20619	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21670 / 20999	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
21790 / 21108	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 778	Date of Summary: 26-MAR-2008	First Sample Examined: 12930
Lease Number: G19175	Source of Paleo: OPERATOR	Borehole MD: 23972
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23082
API Well Number: 608074028900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 12930 - 23972	Water Depth: 3800
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21940 / 21243	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
21970 / 21270	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22360 / 21623	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
22450 / 21705	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22630 / 21868	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
22750 / 21976	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
22809 / 22030	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
22810 / 22031	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
22899 / 22111	DEF AT condensed section	DEF AT
22900 / 22112	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
23972 / 23082	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 778	Date of Summary: 08-APR-2008	First Sample Examined: 12930
Lease Number: G19175	Source of Paleo: OPERATOR	Borehole MD: 23972
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23082
API Well Number: 608074028900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12930 - 23972	Water Depth: 3800
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Clearwater Prospect, paleo done by Ragan Biostrat

MD / TVD	Paleo Top Description	Ecozone
12930 / 12929	DEF AT first sample examined	DEF AT 5
12931 / 12930	DEF IN gouge	DEF AT 5
13320 / 13319	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
13350 / 13349	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
13500 / 13499	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF AT 5
13950 / 13949	DEF AT local marker foram decrease	DEF AT 5
14430 / 14426	DEF AT local marker planktic foram increase	DEF AT 4
14670 / 14659	DEF AT local marker planktic foram increase	DEF AT 5
14820 / 14803	DEF AT local marker foram decrease	DEF AT 5
15960 / 15838	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16110 / 15973	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16140 / 16000	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
16170 / 16027	DEF AT local marker foram decrease	DEF AT 4
16440 / 16270	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 5
17100 / 16867	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
17190 / 16948	DEF AT Lower Pliocene (Zancian) Cibicides marsi	DEF AT 5
18330 / 17979	DEF AT foram flood	DEF AT 5
18390 / 18033	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 5
18510 / 18142	DEF AT Lower Pliocene (Zancian) Uvigerina rustica	DEF AT 5
18570 / 18196	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
19080 / 18657	DEF AT Lower Pliocene (Zancian) Globorotalia plesiotumida (acme)	DEF AT 5
19110 / 18684	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 778	Date of Summary: 08-APR-2008	First Sample Examined: 12930
Lease Number: G19175	Source of Paleo: OPERATOR	Borehole MD: 23972
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23082
API Well Number: 608074028900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12930 - 23972	Water Depth: 3800
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
19380 / 18928	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
20070 / 19552	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
20610 / 20040	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
21010 / 20402	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
21070 / 20456	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
21190 / 20565	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
21220 / 20592	POS AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
21670 / 20999	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21910 / 21216	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
21940 / 21243	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
22510 / 21759	DEF AT local marker planktic foram increase	DEF AT 5
22599 / 21840	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
22600 / 21841	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 5
22660 / 21895	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
22690 / 21922	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
22780 / 22003	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
22840 / 22058	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22870 / 22085	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
22899 / 22111	DEF AT foram flood	DEF AT 5
22900 / 22112	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
22960 / 22166	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
23050 / 22248	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
23080 / 22275	POS AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 5
23110 / 22302	DEF AT local marker foram decrease	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 778	Date of Summary: 08-APR-2008	First Sample Examined: 12930
Lease Number: G19175	Source of Paleo: OPERATOR	Borehole MD: 23972
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23082
API Well Number: 608074028900	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 12930 - 23972	Water Depth: 3800
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23350 / 22519	DEF AT local marker benthic foram increase	DEF AT 4
23500 / 22655	DEF AT local marker deep water fauna	DEF AT 5
23972 / 23082	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 782	Date of Summary: 01-APR-2000	First Sample Examined: 7220
Lease Number: G20797	Source of Paleo: OPERATOR	Borehole MD: 16616
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 15717
API Well Number: 608074021500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 7220 - 16616	Water Depth: 4642
Public Info Code: Y 01-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 10281=Crenalithus domicoides and Helicosphaera colombiana also present, 15240=Reticulofenestra asanoi

MD / TVD	Paleo Top Description	Ecozone
7220 / 7220	DEF AT first sample examined	DEF AT
7520 / 7520	DEF AT local marker floral increase	DEF AT
7521 / 7521	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
7610 / 7610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
7820 / 7820	DEF AT local marker floral increase	DEF AT
7850 / 7850	DEF AT reworked material	DEF AT
8360 / 8360	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9530 / 9530	POS AT local marker floral increase	DEF AT
9650 / 9650	DEF AT local marker floral increase	DEF AT
9770 / 9770	POS AT local marker floral increase	DEF AT
10280 / 10280	DEF AT local marker floral increase	DEF AT
10281 / 10281	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10430 / 10430	DEF AT local marker floral increase	DEF AT
10640 / 10640	DEF AT local marker floral increase	DEF AT
12870 / 12844	DEF AT local marker floral increase	DEF AT
12900 / 12871	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
15240 / 14685	DEF AT local marker floral increase	DEF AT
15510 / 14889	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15840 / 15139	POS AT local marker floral increase	DEF AT
16050 / 15297	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16616 / 15717	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 782	Date of Summary: 01-JUL-2000	First Sample Examined: 15980
Lease Number: G20797	Source of Paleo: OPERATOR	Borehole MD: 21296
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 18276
API Well Number: 608074021505	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 15980 - 21296	Water Depth: 4642
Public Info Code: Y 01-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
15980 / 14834	DEF AT first sample examined	DEF AT
16050 / 14881	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
16370 / 15097	DEF AT local marker floral increase	DEF AT
16670 / 15297	DEF AT local marker floral increase	DEF AT
18770 / 16659	DEF AT local marker floral increase	DEF AT
19460 / 17098	DEF AT local marker floral increase	DEF AT
19640 / 17214	DEF AT local marker floral increase	DEF AT
20660 / 17865	DEF AT reworked material	DEF AT
21296 / 18276	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 782	Date of Summary: 01-AUG-2000	First Sample Examined: 12850
Lease Number: G20797	Source of Paleo: OPERATOR	Borehole MD: 20305
Well Name: 002	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 20297
API Well Number: 608074021801	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 12850 - 20305	Water Depth: 4528
Public Info Code: Y 01-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
12850 / 12850	DEF AT first sample examined	DEF AT
13540 / 13539	DEF AT local marker floral increase	DEF AT
15940 / 15939	DEF AT local marker floral increase	DEF AT
16090 / 16089	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
16930 / 16928	DEF AT local marker floral increase	DEF AT
17770 / 17768	DEF AT local marker floral increase	DEF AT
20305 / 20297	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-MAY-1999	First Sample Examined: 6850
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 16867
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16861
API Well Number: 608074019500	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 3	Sample Range: 6850 - 16868	Water Depth: 4668
Public Info Code: Y 02-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Magnolia Prospect

MD / TVD	Paleo Top Description	Ecozone
6850 / 6849	DEF AT first sample examined	DEF AT 5
6851 / 6850	DEF AT Holocene Globorotalia inflata	DEF AT 5
6910 / 6909	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7030 / 7029	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7630 / 7629	DEF AT local marker foram decrease	DEF AT 4
8230 / 8229	DEF AT faunal change (no faunal increase)	POS AT 4
9422 / 9421	DEF AT faunal change (no faunal increase)	DEF AT 4
9970 / 9969	DEF AT local marker foram increase	DEF AT 5
10029 / 10028	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
10030 / 10029	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10630 / 10629	DEF AT local marker foram decrease	DEF AT 4
12070 / 12068	DEF AT local marker foram increase	DEF IN 4
12250 / 12248	DEF AT faunal change (no faunal increase)	DEF AT 4
13150 / 13148	DEF AT reworked material	DEF AT 4
13270 / 13268	DEF AT local marker foram increase	DEF AT 5
13480 / 13478	DEF AT local marker foram increase	DEF AT 5
13720 / 13718	DEF AT faunal change (no faunal increase)	POS AT 4
13990 / 13988	DEF AT faunal change (no faunal increase)	DEF AT 4
14050 / 14048	DEF AT faunal change (no faunal increase)	DEF AT 5
14110 / 14108	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
14320 / 14318	DEF AT faunal change (no faunal increase)	POS AT 5
14449 / 14447	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-MAY-1999	First Sample Examined: 6850
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 16867
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16861
API Well Number: 608074019500	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 3	Sample Range: 6850 - 16868	Water Depth: 4668
Public Info Code: Y 02-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15070 / 15068	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
15170 / 15168	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 5
15240 / 15238	DEF AT Lower Pliocene (Zancian) Buccella (Eponides) hannai (acme)	DEF AT 4
15330 / 15328	DEF AT faunal change (no faunal increase)	DEF AT 6
15370 / 15367	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
15390 / 15387	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
15430 / 15427	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
15450 / 15447	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
15470 / 15467	DEF AT Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 6
15490 / 15487	DEF AT gouge	DEF AT 6
15530 / 15527	DEF AT sample gap top	POS AT 6
16069 / 16066	DEF AT sample gap bottom	DEF IN 6
16070 / 16067	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
16140 / 16137	DEF AT sample gap top	DEF IN 6
16150 / 16147	DEF AT out-of-place section	POS IN 6
16780 / 16775	DEF AT Pliocene	DEF AT 4
16810 / 16805	DEF AT Lower Oligocene (Rupelian) Textularia mississippiensis seligi	DEF AT 5
16840 / 16834	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT 6
16868 /	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-MAY-1999	First Sample Examined: 6850
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 16867
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16861
API Well Number: 608074019500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 2 of 3	Sample Range: 6850 - 12430	Water Depth: 4668
Public Info Code: Y 02-JUN-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Magnolia Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6850 / 6849	DEF AT first sample examined	DEF AT
6970 / 6969	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9580 / 9579	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10030 / 10029	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
10660 / 10659	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10661 / 10660	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12040 / 12038	DEF AT local marker floral increase	DEF AT
12430 / 12428	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-MAY-1999	First Sample Examined: 12460
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 16867
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16861
API Well Number: 608074019500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 79
Paleo Report Num: 3 of 3	Sample Range: 12160 - 16868	Water Depth: 4668
Public Info Code: Y 02-JUN-2009	Ecozone Eq MMS:	Paleo ID: 004

Remark: Magnolia Prospect, calcareous nannofossil report for bypass, 16070=NP17, the sample at 16780 was a mixture of Upper Miocene to Upper Upper Oligocene and rare Eocene nannofossils - the Upper and Middle Miocene specimens are interpreted to be caved, the section below 16810 contains an Upper Oligocene assemblage from the nannofossil zone NP25 - since the Upper Oligocene has been found to be associated with a number of other salt bodies in the Garden Banks area, it is interpreted to be salt-related, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12460 / 12458	DEF AT first sample examined	DEF AT
13270 / 13268	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14110 / 14108	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15070 / 15068	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15130 / 15128	DEF IN Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
15330 / 15328	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
15369 / 15366	DEF AT condensed section	DEF AT
15370 / 15367	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15371 / 15368	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15430 / 15427	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15450 / 15447	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15470 / 15467	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15500 / 15497	DEF AT salt	DEF AT
16070 / 16067	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT
16150 / 16147	DEF AT gouge	DEF AT
16170 / 16167	DEF AT salt	DEF AT
16860 / 16854	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-OCT-2000	First Sample Examined: 13280
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20339
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17513
API Well Number: 608074022200	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13280 - 20339	Water Depth: 4674
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Magnolia Prospect, calcareous nannofossil report, 17930=Gephyrocapsa margerelli increase, 20243=Reticulofenestra minutula haqii increase, 20331=Reticulofenestra minutula haqii acme, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13280 / 11682	DEF AT first sample examined	DEF AT
13460 / 11785	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
14240 / 12230	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
14300 / 12264	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14600 / 12435	DEF AT reworked material	DEF AT
14630 / 12453	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
14660 / 12470	DEF AT reworked material	DEF AT
14690 / 12487	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
16580 / 13830	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16820 / 14043	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
17930 / 15107	DEF AT local marker floral increase	DEF AT
19340 / 16515	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19370 / 16545	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
19580 / 16755	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
19610 / 16785	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
19640 / 16815	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
19670 / 16845	DEF AT local marker floral increase	DEF AT
19730 / 16905	DEF AT reworked material	DEF AT
20119 / 17293	POS AT condensed section	DEF AT
20120 / 17294	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
20240 / 17414	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-OCT-2000	First Sample Examined: 13280
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20339
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17513
API Well Number: 608074022200	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13280 - 20339	Water Depth: 4674
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20243 / 17417	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
20321 / 17495	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
20322 / 17496	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
20330 / 17504	DEF AT Lower Pliocene (Zanclian) Ceratolithus armatus	DEF AT
20331 / 17505	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
20332 / 17506	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-OCT-2000	First Sample Examined: 13280
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20339
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17513
API Well Number: 608074022200	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13280 - 20339	Water Depth: 4674
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Magnolia Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13280 / 11682	DEF AT first sample examined	DEF AT
14239 / 12229	POS AT condensed section	DEF AT 5
14240 / 12230	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
14241 / 12230	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
14300 / 12264	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 5
14480 / 12367	DEF AT - - - - -	DEF AT 4
14630 / 12453	DEF AT local marker foram increase	DEF AT 5
15080 / 12724	DEF AT - - - - -	POS AT 4
15140 / 12763	DEF AT local marker foram decrease	POS AT 4
15260 / 12841	DEF AT - - - - -	DEF AT 0
16340 / 13627	DEF AT - - - - -	POS AT 4
16400 / 13677	POS AT local marker foram increase	POS AT 4
16760 / 13989	DEF AT local marker foram increase	DEF AT 5
17120 / 14320	DEF AT - - - - -	POS AT 4
17480 / 14665	DEF AT cement	DEF AT
17780 / 14959	DEF AT - - - - -	POS AT 4
17900 / 15077	DEF AT - - - - -	POS AT 5
18020 / 15196	DEF AT - - - - -	POS AT 4
18260 / 15435	DEF AT - - - - -	DEF AT 0
19340 / 16515	DEF AT local marker foram increase	DEF AT 6
19400 / 16575	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
19460 / 16635	DEF AT - - - - -	POS AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-OCT-2000	First Sample Examined: 13280
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 20339
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17513
API Well Number: 608074022200	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13280 - 20339	Water Depth: 4674
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
19580 / 16755	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	POS AT 5
19640 / 16815	POS AT reworked material	DEF AT 6
19700 / 16875	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
19730 / 16905	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
19760 / 16935	DEF AT - - - - -	DEF AT 5
19790 / 16965	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
19970 / 17145	DEF AT - - - - -	DEF AT 4
20090 / 17264	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
20120 / 17294	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
20179 / 17353	POS AT condensed section	DEF AT 6
20180 / 17354	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
20209 / 17383	POS AT condensed section	DEF AT 6
20210 / 17384	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
20270 / 17444	DEF AT - - - - -	DEF AT 5
20300 / 17474	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
20339 / 17513	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-DEC-2000	First Sample Examined: 17405
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 21892
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16813
API Well Number: 608074022201	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 17405 - 21892	Water Depth: 4673
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Magnolia Prospect, calcareous nannofossil report, 18120=Gephyrocapsa margerelli increase

MD / TVD	Paleo Top Description	Ecozone
17405 / 14592	DEF AT first sample examined	DEF AT
17820 / 14971	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
18120 / 15186	DEF AT local marker floral increase	DEF AT
21540 / 16614	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
21541 / 16615	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
21600 / 16647	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
21660 / 16679	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
21720 / 16713	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
21780 / 16747	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
21840 / 16782	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
21892 / 16813	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 783	Date of Summary: 01-DEC-2000	First Sample Examined: 17405
Lease Number: G11573	Source of Paleo: OPERATOR	Borehole MD: 21892
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16813
API Well Number: 608074022201	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 17405 - 21892	Water Depth: 4673
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Magnolia Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone		
17405 / 14592	DEF AT first sample examined	POS	AT	4
17406 / 14593	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	POS	AT	4
17700 / 14870	DEF AT faunal change (no faunal increase)	DEF	AT	4
17820 / 14971	DEF AT reworked material	POS	AT	4
18120 / 15186	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
18360 / 15311	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	AT	4
18600 / 15408	POS AT local marker foram increase	DEF	AT	4
18900 / 15527	DEF AT reworked material	DEF	AT	4
19860 / 15887	DEF AT reworked material	DEF	AT	4
21540 / 16614	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	AT	6
21600 / 16647	DEF AT foram flood	DEF	AT	6
21659 / 16679	POS AT condensed section	DEF	AT	6
21660 / 16679	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	6
21661 / 16680	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	6
21892 / 16813	DEF AT last sample examined	DEF	AT	6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 01-JUL-2009	First Sample Examined: 12880
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 17605
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16117
API Well Number: 608074029800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 12880 - 17605	Water Depth: 5330
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12880 / 12310	DEF AT first sample examined	DEF AT 5
13539 / 12896	POS AT maximum flooding surface	DEF AT 5
13540 / 12896	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
13900 / 13216	POS AT maximum flooding surface	DEF AT 5
14170 / 13456	POS AT maximum flooding surface	DEF AT 5
14679 / 13906	DEF AT out-of-place section	DEF AT 5
14680 / 13907	POS AT salt weld	DEF AT 5
15158 / 14326	POS AT maximum flooding surface	DEF AT 5
15159 / 14327	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
15160 / 14328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15220 / 14378	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
15340 / 14479	DEF AT - - - - -	DEF AT 5
15490 / 14603	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
16240 / 15166	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
16540 / 15376	POS AT maximum flooding surface	DEF AT 5
16810 / 15563	DEF AT - - - - -	DEF IN 5
16900 / 15625	POS AT maximum flooding surface	DEF IN 5
17199 / 15834	POS AT maximum flooding surface	DEF IN 5
17200 / 15835	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
17229 / 15855	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
17230 / 15856	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
17350 / 15939	POS IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 01-JUL-2009	First Sample Examined: 12880
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 17605
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16117
API Well Number: 608074029800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 12880 - 17605	Water Depth: 5330
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17410 / 15981	DEF AT - - - - -	DEF AT 5
17605 / 16117	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 30-AUG-2001	First Sample Examined: 7590
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 23518
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23499
API Well Number: 608074023000	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 7590 - 23518	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7590 / 7590	DEF AT first sample examined	DEF AT
7620 / 7620	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10750 / 10748	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12460 / 12451	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14560 / 14544	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16990 / 16973	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17260 / 17243	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17470 / 17453	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
17560 / 17543	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17860 / 17843	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18160 / 18143	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18760 / 18743	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
18910 / 18893	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
19270 / 19252	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
20080 / 20062	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
21280 / 21262	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
22330 / 22312	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
23259 / 23240	POS AT unconformity	DEF AT
23260 / 23241	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23350 / 23331	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23380 / 23361	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23518 / 23499	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 31-AUG-2001	First Sample Examined: 7590
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 23518
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23499
API Well Number: 608074023000	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 7590 - 23518	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7590 / 7590	DEF AT first sample examined	DEF AT 5
10540 / 10539	POS AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
13330 / 13317	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
17440 / 17423	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17530 / 17513	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18550 / 18533	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18910 / 18893	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
19270 / 19252	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
19840 / 19822	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
21220 / 21202	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
22300 / 22282	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
23290 / 23271	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 5
23350 / 23331	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
23380 / 23361	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 5
23518 / 23499	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 16-NOV-2001	First Sample Examined: 14300
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 20994
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20500
API Well Number: 608074023001	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 14300 - 20994	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14300 / 14284	DEF AT first sample examined	DEF AT
14600 / 14584	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17360 / 17182	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17600 / 17403	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
18290 / 18042	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18410 / 18153	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
20994 / 20500	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 19-NOV-2001	First Sample Examined: 14300
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 20994
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20500
API Well Number: 608074023001	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 14300 - 20994	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14300 / 14284	DEF AT first sample examined	DEF AT 5
17360 / 17182	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehisce	DEF AT 5
18290 / 18042	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
20994 / 20500	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 16-NOV-2001	First Sample Examined: 16000
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 21345
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20414
API Well Number: 608074023002	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 16000 - 21340	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16000 / 15836	DEF AT first sample examined	DEF AT
16690 / 16382	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
17020 / 16646	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17260 / 16837	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17350 / 16909	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17860 / 17326	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17950 / 17402	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
18610 / 17969	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18730 / 18074	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
19150 / 18446	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20290 / 19468	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20320 / 19495	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20920 / 20036	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21130 / 20223	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21250 / 20330	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21280 / 20356	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21340 / 20409	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 19-NOV-2001	First Sample Examined: 16000
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 21345
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20414
API Well Number: 608074023002	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 16000 - 21340	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16000 / 15836	DEF AT first sample examined	DEF AT 5
16840 / 16502	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17680 / 17175	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17740 / 17225	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
17860 / 17326	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17950 / 17402	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17980 / 17428	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
18640 / 17995	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19690 / 18928	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
21130 / 20223	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21340 / 20409	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 07-JAN-2003	First Sample Examined: 13900
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 18206
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16546
API Well Number: 608074024400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13900 - 18206	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13900 / 13023	DEF AT first sample examined	DEF AT 5
14860 / 13809	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
16569 / 15205	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
16570 / 15206	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16750 / 15353	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16840 / 15426	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
16870 / 15450	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
16900 / 15475	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17470 / 15938	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
18206 / 16546	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 07-JAN-2003	First Sample Examined: 13900
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 18206
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16546
API Well Number: 608074024400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13900 - 18206	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
13900 / 13023	DEF AT first sample examined	DEF AT
13901 / 13024	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14860 / 13809	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15910 / 14663	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
15940 / 14688	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16600 / 15231	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16750 / 15353	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16840 / 15426	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
16900 / 15475	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
17140 / 15669	POS IN Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
17620 / 16062	DEF AT Upper Miocene (Messinian) Discoaster quinquedentatus	DEF AT
18206 / 16546	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 14-JAN-2003	First Sample Examined: 14160
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 18153
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17184
API Well Number: 608074024401	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14160 - 18150	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
14160 / 13241	DEF AT first sample examined	DEF AT 5
14680 / 13718	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
17320 / 16352	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
17410 / 16442	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17650 / 16682	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17890 / 16921	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
17920 / 16951	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
18150 / 17181	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 14-JAN-2003	First Sample Examined: 14160
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 18153
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17184
API Well Number: 608074024401	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14160 - 18150	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, from 15790 to 15910, reworked or displaced Miocene to Pleistocene section including Discoaster quinquaramus, Reticulofenestra pseudumbilica, and Sphenolithus abies

MD / TVD	Paleo Top Description	Ecozone
14160 / 13241	DEF AT first sample examined	DEF AT
14680 / 13718	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15790 / 14823	POS AT out-of-place section	DEF AT
17320 / 16352	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17350 / 16382	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17410 / 16442	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17650 / 16682	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
17770 / 16802	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
17920 / 16951	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
18150 / 17181	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 28-FEB-2003	First Sample Examined: 15270
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 18933
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17832
API Well Number: 608074024402	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15270 - 18933	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15270 / 14303	DEF AT first sample examined	DEF AT 5
17760 / 16707	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
17820 / 16764	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18510 / 17426	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18870 / 17772	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
18933 / 17832	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 877	Date of Summary: 28-FEB-2003	First Sample Examined: 15270
Lease Number: G21408	Source of Paleo: OPERATOR	Borehole MD: 18933
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17832
API Well Number: 608074024402	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 15270 - 18933	Water Depth: 5334
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
15270 / 14303	DEF AT first sample examined	DEF AT
17760 / 16707	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
17790 / 16735	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17820 / 16764	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18510 / 17426	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
18540 / 17454	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
18933 / 17832	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 921	Date of Summary: 09-JAN-2002	First Sample Examined: 13120
Lease Number: G21409	Source of Paleo: OPERATOR	Borehole MD: 17814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 608074023600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 2	Sample Range: 13120 - 17815	Water Depth: 5301
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13120 / 12768	DEF AT first sample examined	DEF AT
13121 / 12769	DEF IN cement	DEF AT
13480 / 13056	DEF AT - - - - -	DEF AT 4
16150 / 15213	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
16900 / 15830	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17590 / 16409	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
17620 / 16434	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17815 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 921	Date of Summary: 09-JAN-2002	First Sample Examined: 13120
Lease Number: G21409	Source of Paleo: OPERATOR	Borehole MD: 17814
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 608074023600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 46
Paleo Report Num: 2 of 2	Sample Range: 13120 - 17815	Water Depth: 5301
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13120 / 12768	DEF AT first sample examined	DEF AT
13121 / 12769	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13720 / 13249	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
16150 / 15213	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
16330 / 15360	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16930 / 15855	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17080 / 15980	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
17410 / 16256	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
17440 / 16282	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
17620 / 16434	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
17815 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GB 941	Date of Summary: 26-JAN-2000	First Sample Examined: 5290
Lease Number: G20804	Source of Paleo: OPERATOR	Borehole MD: 21207
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21166
API Well Number: 608074082200	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5290 - 21207	Water Depth: 3716
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 6850=Angulogerina ornata, 8230=base of Globorotalia truncatulinoides

MD / TVD	Paleo Top Description	Ecozone
5290 / 5290	DEF AT first sample examined	DEF IN 5
5291 / 5291	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 5
5500 / 5500	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF IN 5
6850 / 6850	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 5
7330 / 7330	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
8080 / 8080	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
8200 / 8200	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8230 / 8230	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8260 / 8260	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8290 / 8290	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
8300 / 8300	DEF AT salt	DEF IN 5
16239 / 16234	DEF AT base of salt	DEF IN 5
16240 / 16235	POS IN Eocene	DEF IN 5
16720 / 16713	DEF AT salt	DEF IN 5
17199 / 17190	DEF AT base of salt	DEF IN 5
17200 / 17191	POS IN Upper (Late) Cretaceous	DEF IN 5
21207 / 21166	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 112	Date of Summary: 01-FEB-1998	First Sample Examined: 8870
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15048
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13735
API Well Number: 608114022400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8870 - 15048	Water Depth: 1757
Public Info Code: Y 26-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Angus Prospect

MD / TVD	Paleo Top Description	Ecozone
8870 / 8267	DEF AT first sample examined	DEF AT
9290 / 8608	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
10190 / 9347	DEF AT - - - - -	DEF AT 4
10250 / 9396	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10340 / 9471	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10520 / 9621	DEF AT faunal change (no faunal increase)	DEF AT 4
11239 / 10224	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
11240 / 10225	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
11450 / 10402	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11510 / 10452	DEF AT pyrite	DEF AT 5
11600 / 10528	DEF AT - - - - -	DEF AT 4
11720 / 10630	POS AT reworked material	DEF IN 3
12740 / 11503	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	POS IN 3
13220 / 11937	DEF AT - - - - -	DEF IN 4
13340 / 12050	DEF AT pyrite	DEF AT 5
14030 / 12720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14090 / 12780	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
14210 / 12899	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
14390 / 13078	DEF AT - - - - -	DEF AT 4
14449 / 13137	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14450 / 13138	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
14540 / 13228	DEF AT local marker planktic foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 112	Date of Summary: 01-FEB-1998	First Sample Examined: 8870
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15048
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13735
API Well Number: 608114022400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8870 - 15048	Water Depth: 1757
Public Info Code: Y 26-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14570 / 13258	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14600 / 13288	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
14659 / 13347	DEF AT pyrite	DEF AT 5
14660 / 13348	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14840 / 13527	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
15048 / 13735	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 112	Date of Summary: 01-MAR-1998	First Sample Examined: 8821
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15509
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13288
API Well Number: 608114022401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8821 - 15545	Water Depth: 1757
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Angus Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8821 / 8227	DEF AT first sample examined	DEF AT
10140 / 9192	DEF AT - - - - -	DEF IN 3
10230 / 9248	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
10290 / 9286	DEF AT - - - - -	DEF IN 3
10350 / 9324	DEF AT - - - - -	DEF AT 4
10410 / 9362	DEF AT - - - - -	DEF IN 3
10560 / 9457	DEF AT unconformity	DEF AT 5
10740 / 9571	DEF AT pyrite	DEF AT 5
11100 / 9800	DEF AT - - - - -	DEF AT 4
11520 / 10075	DEF AT - - - - -	DEF AT 5
11610 / 10135	DEF AT - - - - -	DEF AT 4
11730 / 10215	DEF AT - - - - -	DEF AT 5
11850 / 10294	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11880 / 10314	DEF AT pyrite	DEF AT 5
12360 / 10630	DEF AT - - - - -	DEF AT 4
12480 / 10710	DEF AT - - - - -	DEF IN 3
12540 / 10749	DEF AT - - - - -	DEF AT 4
12600 / 10789	DEF AT - - - - -	DEF AT 5
12780 / 10908	DEF AT - - - - -	DEF AT 4
13200 / 11192	DEF AT sand	POS AT 5
13380 / 11320	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	POS AT 5
14520 / 12334	DEF AT sand	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 112	Date of Summary: 01-MAR-1998	First Sample Examined: 8821
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15509
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13288
API Well Number: 608114022401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8821 - 15545	Water Depth: 1757
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14580 / 12392	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14640 / 12450	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 5
14670 / 12479	DEF AT pyrite	DEF AT 5
14700 / 12508	POS AT unconformity	DEF AT 4
14818 / 12622	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
14819 / 12623	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
14820 / 12624	POS AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
15420 / 13202	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
15449 / 13230	DEF AT pyrite	DEF AT 5
15450 / 13231	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15480 / 13260	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15508 / 13287	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 112	Date of Summary: 01-MAR-1998	First Sample Examined: 8821
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15509
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13288
API Well Number: 608114022401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8821 - 15508	Water Depth: 1757
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Angus Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8821 / 8227	DEF AT first sample examined	DEF AT
8822 / 8228	DEF AT cement	DEF AT
9360 / 8661	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10380 / 9343	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10560 / 9457	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
10590 / 9476	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
10710 / 9551	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11730 / 10215	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12390 / 10650	DEF AT reworked material	DEF AT
12510 / 10730	DEF AT reworked material	DEF AT
12810 / 10928	DEF AT cement	DEF AT
13380 / 11320	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13470 / 11388	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13471 / 11389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13919 / 11768	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13920 / 11769	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14220 / 12047	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
14730 / 12537	DEF AT Lower Pliocene (Zanclean) Sphenolithus verensis	DEF AT
14820 / 12624	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies (acme)	DEF AT
15360 / 13145	DEF AT Lower Pliocene (Zanclean) Dictyococcites antarcticus	DEF AT
15420 / 13202	DEF IN Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
15508 / 13287	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 114	Date of Summary: 01-FEB-2000	First Sample Examined: 6940
Lease Number: G20034	Source of Paleo: OPERATOR	Borehole MD: 14606
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14545
API Well Number: 608114025400	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 6940 - 14590	Water Depth: 2680
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6940 / 6940	DEF AT first sample examined	DEF AT
7240 / 7240	DEF IN Upper Pleistocene (Ionian) Helicosphaera inversa	DEF AT
7300 / 7300	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT
7480 / 7480	DEF AT local marker floral increase	DEF AT
7540 / 7540	DEF AT reworked material	DEF AT
8260 / 8260	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8410 / 8410	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
8590 / 8590	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9280 / 9280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13480 / 13474	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13510 / 13503	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
13810 / 13791	DEF AT local marker floral increase	DEF AT
14020 / 13989	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14050 / 14018	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14560 / 14504	DEF AT local marker floral increase	DEF AT
14590 / 14533	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 114	Date of Summary: 01-FEB-2000	First Sample Examined: 13540
Lease Number: G20034	Source of Paleo: OPERATOR	Borehole MD: 15864
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 15747
API Well Number: 608114025401	Drilling Operator: DEVON SFS OPERATING INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 13540 - 15864	Water Depth: 2685
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13540 / 13516	DEF AT first sample examined	DEF AT
13541 / 13517	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
13542 / 13518	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
13930 / 13894	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14170 / 14125	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14590 / 14530	DEF AT local marker floral increase	DEF AT
14920 / 14846	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
15159 / 15074	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15160 / 15075	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyre (increase)	DEF AT
15864 / 15747	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 8960
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18442
Well Name: MA001	Paleo Done By: OPERATOR	Borehole TVD: 17819
API Well Number: 608114022800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3200 - 18442	Water Depth: 1939
Public Info Code: Y 03-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8960 / 8601	DEF AT first sample examined	DEF AT
8990 / 8628	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9100 / 8725	POS IN Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT
9340 / 8940	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10929 / 10366	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
10930 / 10367	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
12670 / 12048	DEF AT local marker planktic foram increase	DEF AT 4
13509 / 12887	POS AT reworked material	DEF AT 4
13510 / 12888	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT 4
13990 / 13368	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
14020 / 13398	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT 4
14290 / 13668	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
14320 / 13698	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
16000 / 15377	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 4
16269 / 15646	POS AT reworked material	DEF AT 4
16270 / 15647	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
17319 / 16696	POS AT unconformity	DEF AT 4
17320 / 16697	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17350 / 16727	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
17680 / 17057	POS AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT 4
17769 / 17146	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
17770 / 17147	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 8960
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18442
Well Name: MA001	Paleo Done By: OPERATOR	Borehole TVD: 17819
API Well Number: 608114022800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3200 - 18442	Water Depth: 1939
Public Info Code: Y 03-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18129 / 17506	DEF AT Bathysiphon fauna	DEF AT 4
18130 / 17507	DEF AT Cyclammia cancellata (local marker)	DEF AT 4
18442 / 17819	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 16460
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19910
Well Name: MA001	Paleo Done By: OPERATOR	Borehole TVD: 19040
API Well Number: 608114022801	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 16460 - 19910	Water Depth: 1939
Public Info Code: Y 17-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
16460 / 15837	DEF AT first sample examined	DEF AT
16549 / 15926	POS AT reworked material	DEF AT
16550 / 15927	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
17120 / 16496	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17300 / 16674	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17330 / 16704	DEF AT unconformity	DEF AT 4
17359 / 16733	DEF AT reworked material	DEF AT 4
17360 / 16734	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
17390 / 16763	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
17450 / 16822	DEF AT reworked material	DEF AT 4
17660 / 17029	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
17780 / 17145	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
18140 / 17490	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
18199 / 17546	DEF AT reworked material	DEF AT 4
18200 / 17547	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
18320 / 17658	DEF AT - - - -	DEF IN 4
18860 / 18146	DEF AT Arenaceous fauna (local marker)	DEF IN 4
19370 / 18588	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 4
19430 / 18639	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
19519 / 18715	POS AT reworked material	DEF AT 4
19520 / 18715	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
19910 / 19040	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 155	Date of Summary: 01-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: MA001	Paleo Done By: THOMAS REILLY	Borehole TVD: 17535
API Well Number: 608114022802	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 12990 - 19415	Water Depth: 1932
Public Info Code: Y 22-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Manatee Prospect

MD / TVD	Paleo Top Description	Ecozone
12990 / 12243	DEF AT first sample examined	DEF AT 4
12991 / 12244	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
13020 / 12268	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
13110 / 12341	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
13980 / 13043	DEF AT local marker planktic foram increase	DEF AT 4
14640 / 13584	DEF AT local marker planktic foram increase	DEF AT 4
14700 / 13635	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
15030 / 13917	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
16530 / 15190	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16710 / 15342	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
17130 / 15694	DEF AT Bathysiphon fauna	DEF AT 4
18195 / 16583	DEF AT Cyclamina sp. (local marker)	DEF AT 4
18225 / 16607	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18615 / 16921	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18705 / 16992	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
19380 / 17507	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 155	Date of Summary: 03-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19415
Well Name: MA001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 17535
API Well Number: 608114022802	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 12990 - 18615	Water Depth: 1932
Public Info Code: Y 22-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Manatee Prospect

MD / TVD	Paleo Top Description	Ecozone
12990 / 12243	DEF AT first sample examined	DEF AT
13020 / 12268	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14010 / 13068	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
14580 / 13533	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
15870 / 14636	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
16890 / 15495	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18255 / 16632	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18315 / 16680	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
18586 / 16898	POS AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
18615 / 16921	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 155	Date of Summary: 17-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18297
Well Name: MA001	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 17323
API Well Number: 608114022803	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 12990 - 18293	Water Depth: 1932
Public Info Code: Y 30-JUN-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
13080 / 12333	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13800 / 12967	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14370 / 13473	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16410 / 15435	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17010 / 16035	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17520 / 16545	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17985 / 17010	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 12990
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18297
Well Name: MA001	Paleo Done By: THOMAS REILLY	Borehole TVD: 17323
API Well Number: 608114022803	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 12990 - 18293	Water Depth: 1932
Public Info Code: Y 30-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect

MD / TVD	Paleo Top Description	Ecozone
12990 / 12253	DEF AT first sample examined	DEF AT 4
12991 / 12254	DEF IN Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
13260 / 12492	DEF IN Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
13770 / 12941	DEF AT local marker planktic foram increase	DEF AT 4
14250 / 13365	DEF AT local marker planktic foram increase	DEF AT 4
15990 / 15018	DEF AT local marker planktic foram increase	DEF AT 4
17550 / 16575	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17805 / 16830	DEF AT foram flood	DEF AT 4
17835 / 16860	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
17894 / 16919	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17895 / 16920	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 4
17925 / 16950	DEF AT foram flood	DEF AT 4
17985 / 17010	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18120 / 17145	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
18285 / 17310	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 158	Date of Summary: 09-APR-2001	First Sample Examined: 14480
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 18200
Well Name: A001	Paleo Done By: THOMAS REILLY	Borehole TVD: 18053
API Well Number: 608114026200	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 14480 - 18200	Water Depth: 2978
Public Info Code: Y 20-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
14480 / 14463	DEF AT first sample examined	DEF IN 3
15560 / 15497	DEF AT local marker deep water fauna	DEF AT 4
16099 / 16013	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
16100 / 16014	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
16160 / 16071	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
16490 / 16388	DEF AT local marker foram increase	DEF AT 4
16580 / 16474	DEF AT faunal change (no faunal increase)	DEF IN 3
16790 / 16676	DEF AT local marker deep water fauna	DEF AT 4
17419 / 17286	DEF AT Bathysiphon fauna	DEF AT 4
17420 / 17287	DEF AT local marker benthic foram increase	DEF AT 4
17870 / 17728	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17959 / 17816	DEF AT foram flood	DEF AT 4
17960 / 17817	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
18020 / 17876	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18170 / 18023	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 158	Date of Summary: 04-MAY-2001	First Sample Examined: 15200
Lease Number: G07995	Source of Paleo: OPERATOR	Borehole MD: 18200
Well Name: A001	Paleo Done By: THOMAS REILLY	Borehole TVD: 18053
API Well Number: 608114026200	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 15200 - 18200	Water Depth: 2978
Public Info Code: Y 20-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Analysis of rewashed samples

MD / TVD	Paleo Top Description	Ecozone
15200 / 15153	DEF AT first sample examined	DEF IN 3
15290 / 15239	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
16100 / 16014	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
16160 / 16071	DEF AT foram flood	DEF AT 4
16520 / 16417	DEF AT faunal change (no faunal increase)	DEF IN 3
16760 / 16647	DEF AT faunal change (no faunal increase)	DEF AT 4
17720 / 17581	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17960 / 17817	DEF AT local marker foram increase	DEF AT 4
18020 / 17876	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
18080 / 17935	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18170 / 18023	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 158	Date of Summary: 01-APR-1989	First Sample Examined: 12990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 4	Sample Range: 5100 - 18000	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
12990 / 12408	DEF AT first sample examined	POS AT 4
13830 / 13149	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
14369 / 13623	POS AT reworked material	DEF AT 4
14370 / 13624	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
16190 / 15197	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
17500 / 16273	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17860 / 16569	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
18000 / 16684	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 158	Date of Summary: 22-DEC-1997	First Sample Examined: 11990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 11990 - 19370	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Bruce Desselle

MD / TVD	Paleo Top Description	Ecozone
11990 / 11533	DEF AT first sample examined	POS IN 2
12530 / 12006	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 2
12590 / 12059	DEF AT - - - - -	DEF AT 3
12620 / 12085	DEF AT - - - - -	DEF IN 3
12660 / 12119	DEF AT - - - - -	DEF AT 4
12710 / 12163	DEF AT - - - - -	DEF AT 3
12770 / 12215	DEF AT - - - - -	DEF IN 2
12800 / 12242	DEF AT - - - - -	DEF AT 3
12950 / 12373	DEF AT - - - - -	DEF IN 3
13010 / 12426	DEF AT - - - - -	DEF AT 3
13340 / 12717	DEF AT - - - - -	DEF IN 2
14180 / 13457	DEF AT - - - - -	DEF AT 2
14750 / 13958	DEF AT - - - - -	DEF IN 2
14780 / 13984	DEF AT - - - - -	DEF IN 3
14840 / 14037	DEF AT - - - - -	DEF AT 3
15020 / 14195	DEF AT - - - - -	DEF IN 2
16040 / 15073	DEF AT local marker benthic foram increase	DEF AT 3
16190 / 15197	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
17540 / 16305	DEF AT - - - - -	DEF AT 4
17570 / 16330	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
17690 / 16429	DEF AT - - - - -	DEF IN 3
17900 / 16602	DEF AT - - - - -	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 158	Date of Summary: 22-DEC-1997	First Sample Examined: 11990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 11990 - 19370	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18260 / 16898	DEF AT - - - - -	DEF IN 2
18380 / 16996	DEF AT - - - - -	DEF AT 2
18410 / 17021	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 3
18440 / 17045	DEF AT - - - - -	DEF IN 3
18470 / 17070	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
18680 / 17242	DEF AT local marker foram increase	DEF IN 3
19010 / 17512	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
19100 / 17584	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 3
19190 / 17655	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
19216 / 17675	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
19217 / 17676	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
19218 / 17677	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
19219 / 17678	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
19220 / 17679	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
19280 / 17726	DEF AT pyrite	DEF AT 4
19340 / 17773	DEF AT - - - - -	DEF IN 3
19370 / 17796	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 158	Date of Summary: 04-DEC-1998	First Sample Examined: 14720
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 3 of 4	Sample Range: 14720 - 19406	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
14720 / 13932	DEF AT first sample examined	DEF AT
14840 / 14037	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
16040 / 15073	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17450 / 16231	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17570 / 16330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17660 / 16404	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18830 / 17365	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19190 / 17655	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
19191 / 17656	DEF AT Lower Pliocene (Zanclean) Sphenolithus verensis	DEF AT
19250 / 17702	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19280 / 17726	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19340 / 17773	DEF AT salt	DEF AT
19370 / 17796	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19371 / 17797	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
19406 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 158	Date of Summary: 07-JUN-1999	First Sample Examined: 11990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 4 of 4	Sample Range: 7010 - 19406	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11990 / 11533	DEF AT first sample examined	DEF AT
12530 / 12006	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 2
12620 / 12085	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
16040 / 15073	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 3
17450 / 16231	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
17540 / 16305	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
17570 / 16330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
17659 / 16403	POS AT reworked material	DEF AT 4
17660 / 16404	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
18469 / 17069	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 3
18470 / 17070	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 3
19010 / 17512	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
19190 / 17655	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 4
19219 / 17678	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
19220 / 17679	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
19250 / 17702	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
19406 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-AUG-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Tiger Prospect, calcareous nannofossil report, 18050 to 18890=repeat section 1, 18890 to TD=repeat section 2, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4020 / 4020	DEF AT first sample examined	DEF AT
4130 / 4130	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4550 / 4550	DEF AT local marker floral increase	DEF AT
5090 / 5090	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5540 / 5540	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
5720 / 5720	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7130 / 7130	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8480 / 8480	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9230 / 9230	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
9589 / 9589	DEF AT condensed section	DEF AT
9590 / 9590	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9740 / 9740	DEF AT sample gap top	DEF AT
9830 / 9830	DEF AT sample gap bottom	DEF AT
9890 / 9890	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9980 / 9980	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11210 / 11209	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11479 / 11478	DEF AT reworked material	DEF AT
11480 / 11479	POS AT Lower Pliocene (Zancian) Discoaster variabilis	DEF AT
12440 / 12438	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
12470 / 12468	DEF AT local marker floral increase	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-AUG-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: N	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12620 / 12618	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12860 / 12858	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
12890 / 12888	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
12948 / 12946	POS AT unconformity	DEF AT
12949 / 12947	POS AT condensed section	DEF AT
12950 / 12948	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
12980 / 12978	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
13040 / 13038	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13880 / 13877	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13940 / 13937	DEF AT local marker floral increase	DEF AT
14120 / 14117	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14569 / 14566	POS AT condensed section	DEF AT
14570 / 14567	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14630 / 14627	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14720 / 14717	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
14780 / 14777	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14840 / 14837	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
14930 / 14927	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15170 / 15166	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
15380 / 15376	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15410 / 15406	DEF AT floral flood	DEF AT
15590 / 15586	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15800 / 15796	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
15980 / 15976	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-AUG-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: N	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16820 / 16815	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17060 / 17055	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
17180 / 17175	DEF AT reworked material	DEF AT
17390 / 17385	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18050 / 18044	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18110 / 18104	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica "B"	DEF AT
18200 / 18194	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
18365 / 18359	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18410 / 18404	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18500 / 18494	DEF AT reworked material	DEF AT
18560 / 18553	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
18800 / 18793	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18890 / 18883	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19070 / 19062	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
19280 / 19271	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-NOV-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Tiger Prospect, two apparent repeat sections of Middle Pliocene age were observed between 18140 to 18890 and 18890 to TD (19309), foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4020 / 4020	DEF AT first sample examined	DEF AT 4
4100 / 4100	DEF IN Holocene Globorotalia inflata	DEF AT 4
4130 / 4130	DEF AT local marker foram increase	DEF AT 5
4190 / 4190	DEF AT - - - - -	DEF AT 4
4220 / 4220	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4580 / 4580	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4850 / 4850	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5119 / 5119	DEF AT pyrite	DEF AT 4
5120 / 5120	DEF AT local marker foram increase	DEF AT 4
5720 / 5720	DEF AT foram flood	DEF AT 4
6080 / 6080	DEF AT - - - - -	DEF IN 3
6440 / 6440	DEF AT - - - - -	DEF AT 4
6530 / 6530	DEF AT local marker planktic foram increase	DEF AT 4
6800 / 6800	DEF AT - - - - -	DEF AT 5
7160 / 7160	DEF AT local marker foram increase	DEF AT 6
7190 / 7190	DEF AT transported shelf fauna	DEF AT 6
7310 / 7310	DEF AT - - - - -	DEF AT 5
7400 / 7400	DEF AT - - - - -	DEF AT 4
7430 / 7430	DEF AT local marker foram increase	DEF AT 4
8240 / 8240	DEF AT - - - - -	POS AT 4
8330 / 8330	DEF AT - - - - -	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-NOV-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8420 / 8420	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 6
8480 / 8480	DEF AT - - - - -	DEF AT 5
8780 / 8780	DEF AT - - - - -	POS AT 5
9140 / 9140	DEF AT - - - - -	DEF AT 4
9290 / 9290	DEF AT local marker deep water fauna	DEF AT 5
9500 / 9500	DEF AT - - - - -	POS AT 5
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
9680 / 9680	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
9830 / 9830	DEF AT - - - - -	DEF AT 5
9889 / 9889	DEF IN Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9890 / 9890	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
10070 / 10070	DEF AT - - - - -	DEF AT 4
10400 / 10400	DEF AT - - - - -	POS AT 4
10850 / 10849	DEF AT - - - - -	DEF AT 5
11210 / 11209	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
11270 / 11269	DEF AT - - - - -	DEF AT 4
11480 / 11479	DEF AT reworked material	DEF AT 5
11570 / 11569	DEF AT - - - - -	DEF AT 4
11750 / 11749	DEF AT - - - - -	DEF AT 5
11810 / 11809	DEF AT - - - - -	POS AT 5
12410 / 12408	DEF AT - - - - -	DEF AT 6
12439 / 12437	DEF AT condensed section	DEF AT 6
12440 / 12438	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195
Lease Number: G24159
Well Name: 001
API Well Number: 608114037600
Paleo Report Num: 2 of 2
Public Info Code: Y 18-JUN-2009

Date of Summary: 01-NOV-2003
Source of Paleo: OPERATOR
Paleo Done By: APPLIED BIOSTRATIGRAPHIX
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC
Sample Range: 4020 - 19309
Ecozone Eq MMS: Y

First Sample Examined: 4020
Borehole MD: 19309
Borehole TVD: 19300
Rkb Elevation: 72
Water Depth: 1844
Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12469 / 12467	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 6
12470 / 12468	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
12650 / 12648	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6
12800 / 12798	DEF AT - - - - -	DEF AT 4
12860 / 12858	DEF AT - - - - -	DEF AT 5
12950 / 12948	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
13100 / 13098	DEF AT - - - - -	DEF AT 4
13460 / 13458	DEF AT - - - - -	DEF AT 5
13519 / 13517	DEF AT pyrite	DEF AT 5
13520 / 13518	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
13580 / 13578	DEF AT - - - - -	DEF AT 4
13700 / 13697	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
13820 / 13817	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13879 / 13876	DEF AT limestone	DEF AT 5
13880 / 13877	DEF AT local marker foram increase	DEF AT 5
14150 / 14147	DEF AT - - - - -	DEF AT 4
14300 / 14297	DEF AT - - - - -	POS AT 4
14510 / 14507	DEF AT local marker benthic foram increase	DEF AT 4
14600 / 14597	DEF AT - - - - -	DEF AT 5
14720 / 14717	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
14930 / 14927	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15080 / 15077	DEF AT - - - - -	DEF AT 4
15200 / 15196	POS AT reworked material	DEF AT 5
15230 / 15226	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-NOV-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
15439 / 15435	DEF AT Bathysiphon fauna	DEF AT 5
15440 / 15436	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
15860 / 15856	DEF AT - - - - -	DEF AT 4
15980 / 15976	DEF AT - - - - -	DEF AT 5
16100 / 16096	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16160 / 16155	DEF AT - - - - -	DEF AT 4
16310 / 16305	DEF IN Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
16670 / 16665	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16790 / 16785	DEF AT Bathysiphon fauna	DEF AT 5
17000 / 16995	POS AT condensed section	DEF AT 5
17030 / 17025	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
17060 / 17055	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
17090 / 17085	DEF AT local marker deep water fauna	DEF AT 5
17150 / 17145	DEF AT - - - - -	DEF AT 4
17210 / 17205	DEF AT reworked material	DEF AT 4
17300 / 17295	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17330 / 17325	DEF AT - - - - -	DEF AT 5
17360 / 17355	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
17540 / 17535	DEF AT local marker foram decrease	DEF AT 4
17975 / 17969	DEF AT - - - - -	POS AT 4
18110 / 18104	DEF AT - - - - -	DEF AT 4
18138 / 18132	DEF AT out-of-place section	DEF AT 6
18139 / 18133	DEF AT foram flood	DEF AT 6
18140 / 18134	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-NOV-2003	First Sample Examined: 4020
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19309
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19300
API Well Number: 608114037600	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 4020 - 19309	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
18200 / 18194	DEF AT local marker foram increase	DEF AT 6
18320 / 18314	DEF AT - - - - -	DEF AT 4
18410 / 18404	DEF AT Eggerella 3 (local marker)	DEF AT 5
18470 / 18464	DEF AT Arenaceous fauna (local marker)	DEF AT 5
18620 / 18613	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
18888 / 18881	DEF AT out-of-place section	DEF IN 6
18889 / 18882	DEF AT foram flood	DEF IN 6
18890 / 18883	POS AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 6
18990 / 18982	DEF AT local marker foram increase	DEF IN 6
19010 / 19002	DEF AT - - - - -	DEF AT 5
19190 / 19182	DEF AT Eggerella 3 (local marker)	DEF AT 5
19250 / 19241	DEF AT Arenaceous fauna (local marker)	DEF AT 5
19309 / 19300	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-SEP-2003	First Sample Examined: 15840
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19400
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18577
API Well Number: 608114037601	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 15840 - 19400	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Tiger Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15840 / 15836	DEF AT first sample examined	DEF AT
15841 / 15837	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15900 / 15896	DEF IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16020 / 16015	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
16890 / 16849	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
17280 / 17180	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19400 / 18577	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-OCT-2003	First Sample Examined: 15840
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19400
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18577
API Well Number: 608114037601	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 15840 - 19400	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Tiger Prospect, due to the Middle Pliocene repeat section as well as the occurrence of older Miocene foram markers, the section below 17090 in the original hole (GC195#1) does not correlate with the lower portion (below Tritaxilina atlantica at 17370) of the sidetrack, correlations of markers between the original hole and the sidetrack are summarized in the consultant report on the sidetrack, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15840 / 15836	DEF AT first sample examined	DEF IN 4
15841 / 15837	DEF IN Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF IN 4
15900 / 15896	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
15960 / 15955	DEF AT - - - - -	DEF AT 5
15990 / 15985	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16080 / 16075	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
16200 / 16194	DEF AT - - - - -	DEF AT 5
16380 / 16371	DEF AT - - - - -	DEF IN 4
16620 / 16601	DEF AT transported shelf fauna	DEF IN 4
16680 / 16657	DEF AT limestone	DEF IN 4
16800 / 16767	DEF AT - - - - -	DEF AT 5
16860 / 16822	DEF AT local marker benthic foram increase	DEF AT 4
16980 / 16928	DEF AT Bathysiphon fauna	DEF AT 4
17070 / 17005	POS AT ash	DEF AT 4
17280 / 17180	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17370 / 17251	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
17400 / 17274	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
17460 / 17320	DEF AT - - - - -	DEF AT 5
17580 / 17408	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 195	Date of Summary: 01-OCT-2003	First Sample Examined: 15840
Lease Number: G24159	Source of Paleo: OPERATOR	Borehole MD: 19400
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18577
API Well Number: 608114037601	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 15840 - 19400	Water Depth: 1844
Public Info Code: Y 18-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
17700 / 17491	DEF AT - - - - -	DEF AT 4
18180 / 17792	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18480 / 17977	DEF AT Arenaceous fauna (local marker)	DEF AT 4
18930 / 18263	DEF AT local marker benthic foram increase	DEF AT 4
19050 / 18342	DEF IN Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
19080 / 18362	DEF AT local marker benthic foram increase	DEF AT 4
19140 / 18402	DEF AT local marker benthic foram increase	DEF AT 4
19320 / 18523	DEF AT Bathysiphon fauna	DEF AT 4
19400 / 18577	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 3400
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 9224
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9221
API Well Number: 608114021400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3400 - 9130	Water Depth: 1965
Public Info Code: Y 27-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
3400 / 3399	DEF AT first sample examined	DEF AT
3700 / 3698	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5200 / 5198	DEF AT - - - - -	DEF AT 4
5260 / 5258	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5440 / 5438	DEF AT transported shelf fauna	POS AT 4
5680 / 5678	DEF AT - - - - -	DEF AT 4
5770 / 5768	DEF AT sample gap top	POS AT 4
6520 / 6518	DEF AT sample gap bottom	DEF AT 5
8169 / 8167	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
8170 / 8168	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9130 / 9128	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 5810
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 17616
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608114021401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5810 - 17616	Water Depth: 1965
Public Info Code: Y 12-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5810 / 5808	DEF AT first sample examined	DEF AT
7990 / 7982	DEF AT - - - - -	DEF AT 5
8110 / 8102	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8230 / 8222	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9580 / 9572	DEF AT - - - - -	POS AT 5
10030 / 10022	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 5
10510 / 10502	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
11080 / 11072	DEF AT - - - - -	DEF AT 5
12550 / 12541	DEF AT transported shelf fauna	POS AT 5
13240 / 13206	DEF AT transported outer shelf facies	POS AT 5
13660 / 13586	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13780 / 13693	DEF AT transported shelf fauna	POS AT 6
13840 / 13746	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	POS AT 6
14110 / 13982	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 6
14260 / 14110	DEF AT - - - - -	DEF AT 5
14500 / 14313	DEF AT - - - - -	DEF AT 4
14920 / 14668	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15160 / 14871	DEF IN Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT 6
15460 / 15126	DEF AT - - - - -	DEF AT 5
15790 / 15406	POS AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT 5
16060 / 15634	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT 5
17020 / 16466	DEF AT Lower Pliocene (Zanclean) Siphotextularia jugosa / "J"	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 5810
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 17616
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608114021401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5810 - 17616	Water Depth: 1965
Public Info Code: Y 12-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17616 / 17000	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 14910
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15552
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15226
API Well Number: 608114021402	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14910 - 15540	Water Depth: 1965
Public Info Code: Y 18-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14910 / 14660	DEF AT first sample examined	DEF AT 5
15540 / 15216	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 11870
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15715
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15179
API Well Number: 608114021403	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11870 - 15715	Water Depth: 1965
Public Info Code: Y 27-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11870 / 11862	DEF AT first sample examined	POS AT 4
11871 / 11863	DEF IN transported shelf fauna	POS AT 4
12170 / 12162	DEF AT - - - - -	DEF AT 4
12290 / 12281	DEF AT - - - - -	DEF AT 5
12950 / 12925	DEF AT transported inner shelf facies	POS AT 5
13190 / 13150	DEF IN transported inner shelf facies	POS AT 5
13459 / 13392	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
13460 / 13393	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13550 / 13470	DEF AT - - - - -	DEF AT 5
13610 / 13521	DEF AT transported shelf fauna	POS AT 5
13910 / 13759	DEF AT - - - - -	DEF AT 4
14240 / 14013	DEF AT - - - - -	DEF AT 5
14600 / 14291	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14720 / 14385	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14780 / 14432	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
14840 / 14479	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
14930 / 14549	DEF AT - - - - -	DEF AT 5
15050 / 14644	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
15715 / 15171	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 11800
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15307
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15298
API Well Number: 608114021404	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11800 - 15260	Water Depth: 1965
Public Info Code: Y 05-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11800 / 11792	DEF AT first sample examined	DEF AT
13310 / 13302	DEF AT - - - - -	POS AT 4
13460 / 13452	DEF AT - - - - -	DEF AT 6
13520 / 13512	DEF AT transported shelf fauna	POS AT 6
13580 / 13572	DEF AT transported shelf fauna	POS AT 6
13880 / 13871	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13910 / 13901	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
14360 / 14351	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14450 / 14441	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14749 / 14740	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14750 / 14741	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15050 / 15041	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
15260 / 15251	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 14-OCT-1999	First Sample Examined: 11640
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 23508
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23277
API Well Number: 608114025200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 11640 - 23508	Water Depth: 1987
Public Info Code: Y 11-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Typhoon Prospect

MD / TVD	Paleo Top Description	Ecozone
11640 / 11639	DEF AT first sample examined	DEF AT 3
11670 / 11669	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 3
12000 / 11999	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
12030 / 12029	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 3
12060 / 12059	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
12180 / 12179	DEF AT faunal change (no faunal increase)	DEF IN 3
13200 / 13199	DEF AT local marker foram increase	DEF IN 3
13440 / 13439	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
13920 / 13919	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14040 / 14039	DEF AT faunal change (no faunal increase)	DEF AT 4
14070 / 14069	DEF AT faunal change (no faunal increase)	DEF IN 3
14100 / 14099	DEF AT faunal change (no faunal increase)	DEF AT 4
14160 / 14159	DEF AT faunal change (no faunal increase)	DEF IN 3
14459 / 14458	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
14460 / 14459	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14490 / 14489	DEF AT foram flood	DEF AT 5
14550 / 14549	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
14580 / 14579	DEF AT Cyclammina cancellata (local marker)	DEF IN 4
14640 / 14639	DEF AT faunal change (no faunal increase)	DEF AT 4
14910 / 14909	DEF AT faunal change (no faunal increase)	DEF IN 3
15060 / 15059	DEF AT faunal change (no faunal increase)	DEF AT 4
15120 / 15119	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 14-OCT-1999	First Sample Examined: 11640
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 23508
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23277
API Well Number: 608114025200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 11640 - 23508	Water Depth: 1987
Public Info Code: Y 11-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15180 / 15179	DEF AT faunal change (no faunal increase)	DEF AT 4
15210 / 15209	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
15300 / 15299	DEF AT local marker planktic foram increase	DEF IN 4
15359 / 15358	DEF AT - - - - -	DEF IN 4
15360 / 15359	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
15480 / 15479	DEF AT faunal change (no faunal increase)	DEF AT 4
15780 / 15778	DEF AT local marker foram increase	DEF AT 4
15840 / 15838	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
15900 / 15898	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
16020 / 16018	DEF AT faunal change (no faunal increase)	DEF AT 4
16080 / 16078	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4
16110 / 16108	DEF AT faunal change (no faunal increase)	DEF AT 5
16260 / 16258	DEF AT faunal change (no faunal increase)	DEF AT 4
16380 / 16377	DEF AT faunal change (no faunal increase)	DEF IN 4
16410 / 16407	DEF AT faunal change (no faunal increase)	DEF IN 3
16530 / 16527	DEF AT faunal change (no faunal increase)	DEF AT 4
16560 / 16557	DEF AT local marker foram increase	DEF IN 4
16710 / 16707	DEF AT faunal change (no faunal increase)	DEF AT 4
16740 / 16737	DEF AT local marker foram increase	DEF AT 5
16770 / 16767	DEF AT faunal change (no faunal increase)	DEF IN 4
16980 / 16977	DEF AT local marker benthic foram increase	DEF IN 4
17010 / 17007	DEF AT faunal change (no faunal increase)	DEF AT 4
17460 / 17455	DEF AT faunal change (no faunal increase)	DEF IN 3
17550 / 17545	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 14-OCT-1999	First Sample Examined: 11640
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 23508
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 23277
API Well Number: 608114025200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 11640 - 23508	Water Depth: 1987
Public Info Code: Y 11-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18030 / 18024	DEF AT faunal change (no faunal increase)	DEF AT 4
18090 / 18084	DEF AT local marker foram increase	DEF AT 4
18180 / 18174	DEF AT local marker foram increase	DEF AT 4
18840 / 18828	DEF AT faunal change (no faunal increase)	DEF IN 3
19110 / 19093	POS AT reworked material	DEF AT 4
19200 / 19181	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19290 / 19268	DEF AT faunal change (no faunal increase)	DEF IN 3
20010 / 19950	DEF AT faunal change (no faunal increase)	DEF AT 4
20039 / 19977	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
20040 / 19978	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
20580 / 20484	DEF AT faunal change (no faunal increase)	DEF IN 3
20850 / 20738	DEF AT faunal change (no faunal increase)	DEF AT 4
21000 / 20879	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
21330 / 21190	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
21450 / 21304	POS AT local marker foram increase	DEF AT 4
22230 / 22046	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
22350 / 22161	DEF AT faunal change (no faunal increase)	DEF IN 3
22440 / 22248	DEF AT faunal change (no faunal increase)	DEF AT 4
23320 / 23095	POS AT local marker foram increase	DEF AT 4
23508 / 23277	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 10-FEB-2000	First Sample Examined: 11640
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 23508
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23277
API Well Number: 608114025200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11640 - 23508	Water Depth: 1987
Public Info Code: Y 11-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Typhoon Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11640 / 11639	DEF AT first sample examined	DEF AT
11670 / 11669	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
11730 / 11729	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12060 / 12059	DEF AT - - - - -	DEF AT 5
13200 / 13199	DEF AT - - - - -	DEF AT 4
13470 / 13469	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13950 / 13949	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
14130 / 14129	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
14280 / 14279	DEF AT - - - - -	DEF AT 4
14460 / 14459	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
14490 / 14489	DEF AT - - - - -	DEF AT 6
14550 / 14549	DEF AT - - - - -	DEF AT 5
14580 / 14579	DEF AT - - - - -	DEF AT 4
14640 / 14639	DEF AT - - - - -	DEF AT 5
14820 / 14819	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
15060 / 15059	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15120 / 15119	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15210 / 15209	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15480 / 15479	DEF AT - - - - -	DEF AT 4
15840 / 15838	DEF AT - - - - -	DEF AT 5
15930 / 15928	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
15960 / 15958	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 10-FEB-2000	First Sample Examined: 11640
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 23508
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23277
API Well Number: 608114025200	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11640 - 23508	Water Depth: 1987
Public Info Code: Y 11-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
16410 / 16407	DEF AT - - - - -	DEF AT 4
16530 / 16527	DEF AT - - - - -	DEF AT 5
17010 / 17007	DEF AT - - - - -	DEF AT 4
17520 / 17515	DEF AT - - - - -	DEF AT 5
17580 / 17575	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
18240 / 18233	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
18810 / 18799	DEF AT - - - - -	DEF AT 4
19110 / 19093	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
19170 / 19152	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 4
19320 / 19297	DEF AT - - - - -	DEF IN 4
19470 / 19441	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 4
20640 / 20541	DEF AT - - - - -	DEF AT 3
20700 / 20597	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
20880 / 20767	DEF AT - - - - -	DEF AT 5
21240 / 21105	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
21300 / 21162	DEF AT - - - - -	DEF AT 4
22230 / 22046	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
23080 / 22863	DEF AT Upper Miocene (Tortonian) Discoaster praebollii	DEF AT 4
23320 / 23095	DEF AT - - - - -	DEF AT 5
23470 / 23240	DEF AT - - - - -	DEF AT 4
23508 / 23277	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 236	Date of Summary: 10-FEB-2000	First Sample Examined: 13410
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15960
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15636
API Well Number: 608114025201	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 13410 - 15960	Water Depth: 1987
Public Info Code: Y 28-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Typhoon Prospect, company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13410 / 13270	DEF AT first sample examined	POS AT 4
13710 / 13543	DEF AT - - - - -	DEF AT 4
14040 / 13847	DEF AT - - - - -	DEF AT 5
14070 / 13875	DEF AT transported shelf fauna	POS AT 5
14460 / 14237	DEF AT - - - - -	DEF AT 4
14610 / 14378	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14640 / 14406	DEF AT - - - - -	DEF AT 6
14670 / 14434	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
14730 / 14491	DEF AT - - - - -	DEF IN 4
14850 / 14604	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
15180 / 14914	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15270 / 14998	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15540 / 15249	DEF AT - - - - -	DEF AT 4
15630 / 15332	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
15810 / 15498	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
15960 / 15636	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 237	Date of Summary: 10-FEB-1999	First Sample Examined: 5100
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 14085
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13921
API Well Number: 608114023100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5100 - 14060	Water Depth: 2025
Public Info Code: Y 17-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5100 / 5100	DEF AT first sample examined	DEF AT 3
5101 / 5101	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 3
5250 / 5250	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5370 / 5370	DEF AT - - - - -	DEF AT 4
6870 / 6870	DEF AT - - - - -	DEF AT 5
7170 / 7170	DEF AT - - - - -	DEF AT 4
8130 / 8130	DEF AT - - - - -	DEF AT 5
8370 / 8370	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 6
8400 / 8400	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
8490 / 8490	DEF AT - - - - -	DEF AT 5
10440 / 10440	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT 5
11750 / 11750	DEF AT transported shelf fauna	POS AT 5
12630 / 12616	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
12650 / 12635	DEF AT - - - - -	DEF AT 4
13250 / 13197	DEF AT transported inner shelf facies	POS AT 4
13550 / 13471	DEF AT - - - - -	DEF AT 6
13670 / 13577	DEF AT - - - - -	DEF AT 4
14030 / 13878	DEF AT - - - - -	DEF AT 5
14060 / 13902	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 237	Date of Summary: 10-FEB-1999	First Sample Examined: 12390
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 17810
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17088
API Well Number: 608114023101	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 12390 - 17800	Water Depth: 2025
Public Info Code: Y 20-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
12390 / 12385	DEF AT first sample examined	DEF AT 4
12870 / 12845	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
12990 / 12957	DEF AT - - - - -	DEF IN 4
13950 / 13804	DEF AT - - - - -	DEF AT 5
15020 / 14720	DEF AT - - - - -	DEF IN 4
15320 / 14977	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15920 / 15493	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
16865 / 16308	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
16909 / 16345	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
16910 / 16346	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
17470 / 16809	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
17530 / 16858	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
17560 / 16883	DEF IN Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
17800 / 17080	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 237	Date of Summary: 27-SEP-1999	First Sample Examined: 14176
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 17185
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17094
API Well Number: 608114024100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 14176 - 17185	Water Depth: 2025
Public Info Code: Y 04-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
14176 / 14121	DEF AT first sample examined	POS AT 5
14177 / 14122	DEF IN transported shelf fauna	POS AT 5
14200 / 14144	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
14680 / 14611	DEF AT - - - - -	DEF AT 5
14950 / 14875	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
15310 / 15229	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
15430 / 15347	DEF AT - - - - -	DEF AT 4
15670 / 15584	DEF AT - - - - -	DEF AT 5
15910 / 15821	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15911 / 15822	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16090 / 16000	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
16390 / 16299	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 4
16660 / 16569	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
16870 / 16778	DEF AT - - - - -	DEF AT 5
16930 / 16838	DEF AT gray shale	DEF AT 5
17050 / 16958	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
17185 / 17093	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 237	Date of Summary: 14-OCT-1999	First Sample Examined: 14000
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 19205
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17841
API Well Number: 608114024700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14000 - 19205	Water Depth: 1985
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
14000 / 13502	DEF AT first sample examined	POS IN 4
14001 / 13503	DEF IN transported inner shelf facies	POS IN 4
14180 / 13651	DEF AT - - - - -	DEF IN 4
14270 / 13725	DEF AT transported shelf fauna	POS IN 4
14630 / 14021	DEF AT - - - - -	DEF IN 4
15160 / 14460	DEF AT - - - - -	DEF AT 3
15700 / 14918	DEF AT - - - - -	DEF IN 4
16060 / 15225	DEF AT salt	POS IN 4
16150 / 15300	DEF AT - - - - -	DEF AT 3
16200 / 15341	DEF AT base of salt	POS AT 3
16690 / 15748	DEF AT - - - - -	DEF AT 4
16960 / 15972	DEF AT transported outer shelf facies	POS AT 4
17050 / 16047	DEF AT - - - - -	DEF AT 6
17140 / 16122	DEF AT transported shelf fauna	POS AT 6
17560 / 16462	DEF AT - - - - -	DEF AT 4
17650 / 16533	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
17740 / 16605	DEF AT transported outer shelf facies	POS AT 6
18220 / 16999	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
18400 / 17151	DEF AT transported outer shelf facies	POS AT 4
18670 / 17377	DEF AT - - - - -	DEF AT 4
18850 / 17531	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
19030 / 17687	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 237	Date of Summary: 14-OCT-1999	First Sample Examined: 14000
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 19205
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17841
API Well Number: 608114024700	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14000 - 19205	Water Depth: 1985
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19090 / 17740	DEF AT - - - - -	DEF AT 6
19205 / 17841	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 237	Date of Summary: 14-OCT-1999	First Sample Examined: 15190
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 19104
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17885
API Well Number: 608114024701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15190 - 19104	Water Depth: 1985
Public Info Code: Y 15-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15190 / 14484	DEF AT first sample examined	POS AT 5
17500 / 16459	DEF AT transported shelf fauna	POS AT 5
17680 / 16611	DEF AT transported shelf fauna	POS AT 5
17800 / 16712	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17830 / 16737	DEF AT - - - - -	DEF AT 6
17920 / 16812	DEF AT transported outer shelf facies	POS AT 6
18190 / 17045	DEF AT - - - - -	DEF AT 5
18250 / 17097	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
18280 / 17124	DEF AT transported outer shelf facies	POS AT 5
18460 / 17286	DEF AT - - - - -	DEF IN 4
18730 / 17536	DEF AT - - - - -	DEF AT 3
18820 / 17619	DEF AT - - - - -	DEF IN 4
18910 / 17703	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
19090 / 17872	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 4
19104 / 17885	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 237	Date of Summary: 10-FEB-2000	First Sample Examined: 16120
Lease Number: G15563	Source of Paleo: OPERATOR	Borehole MD: 18665
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 17677
API Well Number: 608114024702	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 16120 - 18665	Water Depth: 2025
Public Info Code: Y 09-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16120 / 15291	DEF AT first sample examined	DEF IN 3
16900 / 15993	DEF AT - - - - -	DEF AT 4
17080 / 16159	DEF AT - - - - -	DEF AT 5
17590 / 16632	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
17800 / 16828	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
18400 / 17416	POS IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
18580 / 17593	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18665 / 17677	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Crested Butte Prospect, consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat, foram and nannofossil species abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	POS AT 5
6240 / 6240	DEF AT - - - - -	DEF AT 5
6330 / 6330	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT 5
6660 / 6659	DEF AT - - - - -	DEF AT 4
6810 / 6809	DEF AT - - - - -	DEF AT 5
6840 / 6839	DEF AT local marker foram increase	DEF AT 5
7080 / 7079	DEF AT - - - - -	DEF AT 4
7200 / 7199	DEF AT local marker foram increase	DEF AT 5
7410 / 7409	DEF AT local marker foram increase	DEF AT 5
7620 / 7619	DEF AT - - - - -	DEF AT 4
7950 / 7949	DEF AT local marker foram increase	DEF AT 4
8730 / 8729	DEF AT local marker foram increase	DEF AT 5
8910 / 8909	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
9360 / 9359	DEF AT local marker foram increase	DEF AT 5
9540 / 9539	DEF AT - - - - -	DEF AT 4
10080 / 10079	DEF AT out-of-place section	DEF AT 4
10920 / 10919	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
11100 / 11099	DEF AT - - - - -	DEF AT 4
12270 / 12269	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
12390 / 12389	DEF AT - - - - -	DEF AT 4
12540 / 12539	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12689 / 12688	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT 5
12690 / 12689	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
12890 / 12889	DEF AT - - - - -	DEF AT 4
13220 / 13219	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
13640 / 13639	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
14000 / 13999	DEF AT local marker foram increase	DEF AT 5
14060 / 14059	DEF AT - - - - -	DEF AT 5
14180 / 14179	DEF AT - - - - -	DEF AT 4
14659 / 14658	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
14660 / 14659	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14870 / 14869	DEF AT local marker planktic foram increase	DEF AT 5
14930 / 14929	DEF AT - - - - -	DEF AT 4
15170 / 15169	DEF AT - - - - -	DEF AT 5
15290 / 15289	DEF AT - - - - -	DEF AT 4
15380 / 15379	DEF AT - - - - -	DEF AT 5
15409 / 15408	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15410 / 15409	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
15470 / 15469	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15500 / 15499	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
15620 / 15619	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
15740 / 15739	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15950 / 15949	DEF AT - - - - -	DEF AT 4
16160 / 16159	DEF AT - - - - -	DEF AT 5
16190 / 16189	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16370 / 16369	DEF AT - - - - -	DEF AT 5
16400 / 16399	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16489 / 16488	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 5
16490 / 16489	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16550 / 16549	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
16660 / 16659	DEF AT - - - - -	DEF AT 4
16990 / 16988	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
17050 / 17048	DEF AT local marker foram increase	DEF AT 5
17260 / 17256	DEF AT local marker foram increase	DEF AT 5
17380 / 17374	DEF AT local marker foram increase	DEF AT 5
17410 / 17404	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 5
17979 / 17943	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
17980 / 17944	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
18220 / 18162	DEF AT - - - - -	DEF AT 4
18640 / 18547	DEF AT - - - - -	DEF AT 5
18700 / 18602	DEF AT local marker foram increase	DEF AT 5
18880 / 18768	DEF AT - - - - -	DEF AT 4
19060 / 18933	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
19120 / 18988	DEF AT - - - - -	DEF AT 4
19420 / 19264	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
20140 / 19924	DEF AT local marker foram increase	DEF AT 5
20410 / 20171	DEF AT local marker foram increase	DEF AT 5
20590 / 20336	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
20710 / 20446	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 242
Lease Number: G21788
Well Name: 002
API Well Number: 608114043100
Paleo Report Num: 1 of 1
Public Info Code: Y 19-OCT-2010

Date of Summary: 23-FEB-2005
Source of Paleo: OPERATOR
Paleo Done By: OPERATOR
Drilling Operator: NEXEN PETROLEUM USA INC
Sample Range: 6000 - 24393
Ecozone Eq MMS:

First Sample Examined: 6000
Borehole MD: 24395
Borehole TVD: 23877
Rkb Elevation: 93
Water Depth: 2845
Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20800 / 20530	DEF AT - - - - -	DEF AT 4
21010 / 20724	DEF AT local marker foram increase	DEF AT 4
21040 / 20752	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
21190 / 20889	DEF AT - - - - -	DEF AT 5
21370 / 21054	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21490 / 21163	DEF AT local marker foram increase	DEF AT 5
21519 / 21190	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
21520 / 21191	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
21670 / 21329	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
21850 / 21493	DEF AT local marker foram increase	DEF AT 5
22000 / 21631	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
22090 / 21713	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
22480 / 22070	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
22690 / 22262	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
23169 / 22699	DEF AT Upper Miocene (Tortonian) Discoaster deflandrei	DEF AT 5
23170 / 22700	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
23230 / 22754	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
23289 / 22808	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23290 / 22809	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
23380 / 22893	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT 5
23620 / 23120	DEF AT local marker foram increase	DEF AT 5
23859 / 23352	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
23860 / 23353	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
24009 / 23499	DEF AT Middle Miocene (Langhian) Globigerinoides sicani	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 242	Date of Summary: 23-FEB-2005	First Sample Examined: 6000
Lease Number: G21788	Source of Paleo: OPERATOR	Borehole MD: 24395
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23877
API Well Number: 608114043100	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 6000 - 24393	Water Depth: 2845
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24010 / 23500	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
24160 / 23647	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
24190 / 23677	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 5
24250 / 23736	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
24393 / 23875	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 252	Date of Summary: 15-AUG-2007	First Sample Examined: 5780
Lease Number: G18361	Source of Paleo: OPERATOR	Borehole MD: 15860
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14911
API Well Number: 608114048600	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5780 - 15860	Water Depth: 3156
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5780 / 5780	DEF AT first sample examined	DEF AT 5
7310 / 7310	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7790 / 7790	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
8240 / 8240	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
9080 / 9080	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
10440 / 10429	DEF AT local marker benthic foram increase	DEF AT 5
10560 / 10543	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
10620 / 10599	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 5
10680 / 10655	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 5
12000 / 11761	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
12420 / 12104	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
13200 / 12739	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
13260 / 12788	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
13290 / 12813	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
13559 / 13032	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
13560 / 13033	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13830 / 13253	DEF AT reworked material	DEF AT 5
14009 / 13399	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14010 / 13400	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14160 / 13522	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14760 / 14011	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
14790 / 14036	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 252	Date of Summary: 15-AUG-2007	First Sample Examined: 5780
Lease Number: G18361	Source of Paleo: OPERATOR	Borehole MD: 15860
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14911
API Well Number: 608114048600	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 5780 - 15860	Water Depth: 3156
Public Info Code: Y 19-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15570 / 14673	POS AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT 5
15860 / 14911	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 254	Date of Summary: 06-SEP-2000	First Sample Examined: 0
Lease Number: G07049	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 13409
API Well Number: 608115009001	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3234
Public Info Code: Y 04-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
13589 / 11665	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14168 / 12216	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15434 / 13352	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 254	Date of Summary: 19-DEC-2001	First Sample Examined: 0
Lease Number: G08010	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13435
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 12511
API Well Number: 608115008303	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3225
Public Info Code: Y 22-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12750 / 11974	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 297	Date of Summary: 07-NOV-2000	First Sample Examined: 5087
Lease Number: G08876	Source of Paleo: OPERATOR	Borehole MD: 16750
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16743
API Well Number: 608114027900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 5087 - 16750	Water Depth: 3140
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5087 / 5087	DEF AT first sample examined	DEF AT 4
7890 / 7890	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8220 / 8220	DEF AT - - - - -	DEF AT 4
9090 / 9090	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
11429 / 11426	DEF AT local marker planktic foram increase	DEF AT 5
11430 / 11427	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
12150 / 12147	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
12510 / 12507	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13980 / 13976	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
14009 / 14005	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
14010 / 14006	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
14069 / 14065	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
14070 / 14066	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
14160 / 14156	DEF AT - - - - -	DEF AT 5
14580 / 14576	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
15090 / 15086	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
15180 / 15175	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
15209 / 15204	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
15210 / 15205	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15270 / 15265	DEF AT local marker foram decrease	DEF AT 5
16740 / 16734	DEF AT - - - - -	DEF AT 6
16750 / 16744	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 297	Date of Summary: 07-NOV-2000	First Sample Examined: 5087
Lease Number: G08876	Source of Paleo: OPERATOR	Borehole MD: 16750
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16743
API Well Number: 608114027900	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 5087 - 16750	Water Depth: 3140
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5087 / 5087	DEF AT first sample examined	DEF AT
7830 / 7830	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10890 / 10888	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11430 / 11427	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
11580 / 11577	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12180 / 12177	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12480 / 12477	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12540 / 12537	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13530 / 13527	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13980 / 13976	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
14010 / 14006	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
14550 / 14546	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
15030 / 15026	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15090 / 15086	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
15210 / 15205	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16110 / 16104	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16750 / 16744	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 298	Date of Summary: 09-MAY-2000	First Sample Examined: 0
Lease Number: G08010	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13676
API Well Number: 608114025103	Drilling Operator: BRITISH-BORNEO USA INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3310
Public Info Code: Y 08-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
12698 / 11940	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
13466 / 12704	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
14312 / 13459	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 299	Date of Summary: 27-OCT-2005	First Sample Examined: 11460
Lease Number: G15571	Source of Paleo: OPERATOR	Borehole MD: 16222
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16165
API Well Number: 608114045002	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 11460 - 16210	Water Depth: 3452
Public Info Code: Y 01-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11460 / 11457	DEF AT first sample examined	DEF IN 5
11950 / 11934	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
12640 / 12597	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 5
13119 / 13065	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
13120 / 13066	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
14320 / 14265	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
14710 / 14655	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
15939 / 15884	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
15940 / 15885	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
15970 / 15915	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
16060 / 16005	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
16150 / 16095	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
16180 / 16125	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
16210 / 16155	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 299	Date of Summary: 15-NOV-2006	First Sample Examined: 15831
Lease Number: G15571	Source of Paleo: OPERATOR	Borehole MD: 16100
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 15271
API Well Number: 608114045004	Drilling Operator: PIONEER NATURAL RESOURCES USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15831 - 15911	Water Depth: 3456
Public Info Code: Y 01-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report based on sidewall cores

MD / TVD	Paleo Top Description	Ecozone
15831 / 15016	DEF AT first sample examined	DEF AT 3
15832 / 15017	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 3
15842 / 15026	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
15843 / 15027	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
15850 / 15034	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF IN 5
15891 / 15073	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF IN 5
15899 / 15080	POS AT transported outer shelf facies	POS AT 5
15900 / 15081	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	POS AT 5
15910 / 15091	POS AT transported outer shelf facies	POS AT 5
15911 / 15092	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 313	Date of Summary: 16-NOV-2007	First Sample Examined: 4600
Lease Number: G18364	Source of Paleo: OPERATOR	Borehole MD: 10000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10000
API Well Number: 608114049800	Drilling Operator: REPSOL E&P USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4600 - 10000	Water Depth: 2747
Public Info Code: Y 19-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4600 / 4600	DEF AT first sample examined	DEF AT 5
4601 / 4601	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
5470 / 5470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
5740 / 5740	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6160 / 6160	DEF AT - - - - -	DEF IN 5
6250 / 6250	DEF AT sample gap top	POS IN 5
6310 / 6310	DEF AT sample gap bottom	DEF AT 5
6760 / 6760	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9400 / 9400	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
10000 / 10000	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 338	Date of Summary: 02-MAR-2001	First Sample Examined: 5960
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 16036
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15723
API Well Number: 608115013400	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5960 - 16033	Water Depth: 3330
Public Info Code: Y 15-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5960 / 5960	DEF AT first sample examined	DEF AT 4
6740 / 6739	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
7760 / 7759	DEF AT - - - -	DEF AT 5
7910 / 7909	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
12780 / 12682	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14700 / 14476	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
15300 / 15035	DEF AT anhydrite	DEF AT 5
15301 / 15036	DEF AT domal material	DEF AT 5
16033 / 15720	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 338	Date of Summary: 02-MAR-2001	First Sample Examined: 5960
Lease Number: G21790	Source of Paleo: OPERATOR	Borehole MD: 16036
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15723
API Well Number: 608115013400	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5960 - 16033	Water Depth: 3330
Public Info Code: Y 15-JAN-2011	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5960 / 5960	DEF AT first sample examined	DEF AT
7700 / 7699	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
11130 / 11128	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
12840 / 12738	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
13080 / 12961	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13950 / 13770	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14640 / 14420	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
15060 / 14812	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
15330 / 15063	DEF AT salt	DEF AT
16033 / 15720	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 26-MAR-2001	First Sample Examined: 6990
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 13925
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13925
API Well Number: 608114029400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 6990 - 13020	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6990 / 6990	DEF AT first sample examined	DEF AT 5
7470 / 7470	DEF AT - - - - -	DEF AT 4
8910 / 8910	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
9000 / 9000	DEF AT - - - - -	DEF AT 5
9210 / 9210	DEF AT - - - - -	DEF AT 4
9570 / 9569	DEF AT local marker planktic foram increase	DEF AT 4
9660 / 9659	DEF AT reworked material	DEF AT 4
9900 / 9899	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 3
9930 / 9929	DEF AT - - - - -	DEF AT 4
11280 / 11279	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
11310 / 11309	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11340 / 11339	DEF AT - - - - -	DEF AT 4
11850 / 11849	DEF AT gypsum	DEF AT 4
12120 / 12119	DEF AT - - - - -	DEF AT 4
12810 / 12808	DEF AT oxidized shale	DEF AT 4
12840 / 12838	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
12900 / 12898	DEF AT - - - - -	DEF AT 4
13019 / 13017	DEF AT reworked material	POS AT 4
13020 / 13018	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 01-JUL-2001	First Sample Examined: 6990
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 13925
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 13925
API Well Number: 608114029400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 6990 - 13925	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6990 / 6990	DEF AT first sample examined	DEF AT
6991 / 6991	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9780 / 9779	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
11280 / 11279	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11370 / 11369	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12899 / 12897	POS AT Upper Cretaceous Maastrichtian Stage	DEF AT
12900 / 12898	DEF AT reworked material	DEF AT
13020 / 13018	POS AT Upper Cretaceous Campanian Stage	DEF AT
13740 / 13737	DEF AT sample gap top	DEF AT
13924 / 13921	DEF AT sample gap bottom	DEF AT
13925 / 13922	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 21-MAY-2001	First Sample Examined: 18390
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 20508
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20502
API Well Number: 608114029401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 18390 - 20500	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18390 / 18384	DEF AT first sample examined	POS AT 5
18391 / 18385	DEF IN salt	POS AT 5
18660 / 18654	DEF AT sample gap top	POS AT 5
18750 / 18744	DEF AT sample gap bottom	POS AT 5
18940 / 18934	DEF AT out-of-place section	DEF AT 5
19350 / 19344	DEF AT transported shelf fauna	DEF AT 5
19409 / 19403	DEF AT transported outer shelf facies	POS AT 5
19410 / 19404	POS IN Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 5
19470 / 19464	DEF AT transported shelf fauna	POS AT 5
19560 / 19554	DEF AT transported outer shelf facies	POS AT 4
19650 / 19644	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
19690 / 19684	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
20070 / 20064	DEF AT local marker planktic foram increase	DEF AT 4
20160 / 20154	DEF AT local marker planktic foram increase	DEF AT 4
20340 / 20334	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20490 / 20484	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 01-JUL-2001	First Sample Examined: 18390
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 20508
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20502
API Well Number: 608114029401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 18390 - 20500	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, most of the samples are described as mixed assemblages of Miocene to Late Cretaceous age, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18940 / 18934	DEF AT out-of-place section	DEF AT
18970 / 18964	DEF AT out-of-place section	DEF AT
19020 / 19014	DEF AT out-of-place section	DEF AT
19140 / 19134	DEF AT out-of-place section	DEF AT
19260 / 19254	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19319 / 19313	DEF AT out-of-place section	DEF AT
19350 / 19344	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19410 / 19404	POS IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19440 / 19434	DEF AT out-of-place section	DEF AT
19710 / 19704	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19740 / 19734	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 17-JUL-2001	First Sample Examined: 19039
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 26677
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25999
API Well Number: 608114029402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 19039 - 26677	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19039 / 18916	DEF AT first sample examined	DEF AT 4
19070 / 18947	DEF AT transported shelf fauna	POS AT 4
19085 / 18962	DEF AT - - - - -	DEF AT 4
19100 / 18977	DEF AT transported outer shelf facies	POS AT 4
19115 / 18991	DEF AT - - - - -	DEF AT 4
19220 / 19095	POS AT local marker planktic foram increase	DEF AT 4
19340 / 19213	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
19580 / 19451	DEF AT transported shelf fauna	POS AT 4
19610 / 19481	DEF AT - - - - -	DEF AT 4
19670 / 19541	DEF AT - - - - -	DEF IN 3
19700 / 19570	DEF AT - - - - -	DEF AT 4
19730 / 19600	DEF AT - - - - -	DEF IN 3
19760 / 19630	DEF AT - - - - -	DEF AT 4
19820 / 19690	DEF AT transported shelf fauna	POS AT 4
19850 / 19719	DEF AT - - - - -	DEF AT 4
20030 / 19898	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
20120 / 19987	DEF AT reworked material	DEF AT 4
20240 / 20106	DEF AT local marker planktic foram increase	DEF AT 4
20360 / 20224	DEF AT transported shelf fauna	POS AT 4
20450 / 20313	DEF AT - - - - -	DEF AT 4
20510 / 20372	DEF AT Cyclammina sp. (local marker)	DEF AT 4
20540 / 20402	DEF AT - - - - -	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 17-JUL-2001	First Sample Examined: 19039
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 26677
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25999
API Well Number: 608114029402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 19039 - 26677	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20600 / 20461	DEF AT - - - - -	DEF AT 4
20690 / 20550	DEF AT transported shelf fauna	POS AT 4
20720 / 20579	DEF AT - - - - -	DEF AT 4
20810 / 20668	DEF AT transported shelf fauna	POS AT 4
20840 / 20697	DEF AT - - - - -	DEF AT 4
20958 / 20813	DEF AT - - - - -	DEF IN 3
20990 / 20845	DEF AT - - - - -	DEF AT 4
21140 / 20992	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
21350 / 21198	DEF AT Bathysiphon fauna	DEF AT 4
21380 / 21227	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
21500 / 21343	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21590 / 21429	DEF AT - - - - -	DEF AT 5
21600 / 21438	DEF AT - - - - -	DEF AT 4
21650 / 21486	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22970 / 22710	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23090 / 22819	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
23180 / 22900	DEF AT local marker foram decrease	DEF AT 4
23450 / 23143	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
23660 / 23330	DEF AT transported shelf fauna	POS AT 4
24170 / 23778	DEF AT transported outer shelf facies	POS AT 4
24230 / 23831	DEF AT local marker foram increase	POS AT 4
24260 / 23858	DEF AT - - - - -	DEF AT 4
24290 / 23884	DEF AT - - - - -	DEF AT 5
24490 / 24061	DEF AT Arenaceous fauna (local marker)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 17-JUL-2001	First Sample Examined: 19039
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 26677
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 25999
API Well Number: 608114029402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 19039 - 26677	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24770 / 24308	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
24830 / 24361	DEF AT - - - - -	DEF AT 4
24920 / 24441	DEF AT Bathysiphon fauna	DEF AT 4
25490 / 24944	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
25820 / 25236	POS AT Upper Miocene (Tortonian) Cibicides crebbbsi	DEF AT 4
26480 / 25823	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26667 / 25990	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 389	Date of Summary: 01-OCT-2001	First Sample Examined: 19070
Lease Number: G21794	Source of Paleo: OPERATOR	Borehole MD: 26677
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25999
API Well Number: 608114029402	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 19070 - 26677	Water Depth: 3594
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19070 / 18947	DEF AT first sample examined	DEF AT
19250 / 19125	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20420 / 20283	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
20709 / 20568	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22670 / 22436	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23030 / 22765	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
23600 / 23276	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23620 / 23294	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
25490 / 24944	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
25820 / 25236	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26390 / 25743	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
26677 / 25999	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 21-DEC-2005	First Sample Examined: 24520
Lease Number: G21207	Source of Paleo: OPERATOR	Borehole MD: 31196
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30362
API Well Number: 608114044600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 24520 - 31196	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
24520 / 24520	DEF AT first sample examined	POS AT 4
25120 / 25120	DEF AT out-of-place section	DEF AT 4
25179 / 25179	DEF AT turbid water facies	POS AT 4
25180 / 25180	DEF AT Bathysiphon fauna	POS AT 4
25209 / 25209	DEF AT turbid water facies	POS AT 4
25210 / 25210	DEF AT Bathysiphon fauna	POS AT 4
25300 / 25300	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 4
25390 / 25390	DEF AT turbid water facies	POS AT 4
25420 / 25420	DEF AT Bathysiphon fauna	POS AT 4
25780 / 25779	DEF AT turbid water facies	POS AT 4
25960 / 25958	DEF AT local marker benthic foram increase	DEF IN 3
26169 / 26163	DEF AT turbid water facies	POS IN 3
26170 / 26164	DEF AT Arenaceous fauna (local marker)	POS IN 3
26199 / 26193	DEF AT turbid water facies	DEF AT 4
26200 / 26193	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
26230 / 26223	DEF AT local marker benthic foram increase	DEF AT 4
26320 / 26309	DEF AT turbid water facies	DEF AT 4
26470 / 26452	DEF AT Bathysiphon fauna	DEF AT 4
26620 / 26593	DEF AT Arenaceous fauna (local marker)	DEF AT 4
27130 / 27045	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
27160 / 27070	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
27190 / 27095	DEF AT transported shelf fauna	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 21-DEC-2005	First Sample Examined: 24520
Lease Number: G21207	Source of Paleo: OPERATOR	Borehole MD: 31196
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30362
API Well Number: 608114044600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 24520 - 31196	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
27490 / 27341	DEF AT turbid water facies	DEF AT 4
27940 / 27708	DEF AT transported shelf fauna	DEF AT 4
28030 / 27781	DEF AT turbid water facies	DEF AT 4
28210 / 27928	DEF AT - - - - -	DEF IN 3
28300 / 28001	DEF AT - - - - -	DEF AT 4
28359 / 28049	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
28360 / 28050	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
28390 / 28074	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
28840 / 28441	DEF AT turbid water facies	POS AT 4
28870 / 28465	DEF AT Arenaceous fauna (local marker)	POS AT 4
28960 / 28539	DEF AT - - - - -	DEF AT 4
28990 / 28563	DEF AT turbid water facies	POS AT 4
29020 / 28588	DEF AT Arenaceous fauna (local marker)	POS AT 4
29050 / 28612	DEF AT - - - - -	DEF AT 4
29140 / 28686	DEF AT transported shelf fauna	POS AT 4
29170 / 28710	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
29200 / 28734	DEF AT - - - - -	DEF AT 5
29230 / 28759	DEF AT - - - - -	DEF AT 4
29350 / 28857	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
29410 / 28906	DEF AT - - - - -	DEF AT 4
29500 / 28979	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
29530 / 29004	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
29620 / 29077	DEF AT - - - - -	DEF AT 4
29650 / 29101	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 21-DEC-2005	First Sample Examined: 24520
Lease Number: G21207	Source of Paleo: OPERATOR	Borehole MD: 31196
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 30362
API Well Number: 608114044600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 24520 - 31196	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
29710 / 29150	DEF AT local marker planktic foram increase	DEF AT 4
30100 / 29468	DEF AT - - - - -	DEF AT 5
30130 / 29493	DEF AT turbid water facies	POS AT 5
30190 / 29542	DEF AT - - - - -	DEF AT 4
30249 / 29590	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 4
30250 / 29591	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
30580 / 29860	POS AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
30610 / 29884	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
30730 / 29982	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
30820 / 30056	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 4
30930 / 30145	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
30968 / 30176	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 4
30969 / 30177	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 4
30970 / 30178	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 4
31030 / 30227	DEF AT Lower Oligocene (Rupelian) Textularia mississippiensis seligi	DEF AT 4
31150 / 30324	DEF AT Arenaceous fauna (local marker)	DEF AT 4
31196 / 30362	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 12-MAR-2006	First Sample Examined: 11200
Lease Number: G21207	Source of Paleo: OPERATOR	Borehole MD: 31196
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 30362
API Well Number: 608114044600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 11200 - 31196	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report, paleo done by Theresa M Dunn

MD / TVD	Paleo Top Description	Ecozone
11230 / 11230	DEF AT first sample examined	DEF AT
11231 / 11231	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11830 / 11830	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11890 / 11890	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11920 / 11920	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
11950 / 11950	DEF AT Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF AT
11980 / 11980	DEF AT Lower Pliocene (Zancian) Discoaster challengerii	DEF AT
12040 / 12040	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12160 / 12160	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
12190 / 12190	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12280 / 12280	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
12310 / 12310	DEF AT sample gap top	DEF AT
24820 / 24820	DEF AT sample gap bottom	DEF AT
25570 / 25570	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
26770 / 26731	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
27130 / 27045	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
27160 / 27070	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27580 / 27414	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
27610 / 27438	DEF AT reworked material	DEF AT
28959 / 28538	POS AT reworked material	DEF AT
28960 / 28539	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
29500 / 28979	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 12-MAR-2006	First Sample Examined: 11200
Lease Number: G21207	Source of Paleo: OPERATOR	Borehole MD: 31196
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 30362
API Well Number: 608114044600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 11200 - 31196	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: N	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
30280 / 29615	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
30490 / 29786	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
30550 / 29835	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
30790 / 30031	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
30940 / 30153	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
31196 / 30362	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 02-MAR-2006	First Sample Examined: 25960
Lease Number: G21212	Source of Paleo: OPERATOR	Borehole MD: 32475
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32473
API Well Number: 608114044601	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 25960 - 32475	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Ragan Biostrat, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
25960 / 25959	DEF AT first sample examined	DEF AT 4
25990 / 25989	DEF AT - - - - -	DEF AT 5
26050 / 26048	DEF AT - - - - -	DEF AT 4
26260 / 26257	DEF AT - - - - -	DEF AT 5
26290 / 26287	DEF AT - - - - -	DEF AT 4
26470 / 26467	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26500 / 26497	DEF AT - - - - -	DEF AT 5
26650 / 26647	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
26680 / 26677	DEF AT - - - - -	DEF AT 4
26950 / 26947	DEF AT - - - - -	DEF AT 5
26980 / 26977	DEF AT - - - - -	DEF AT 4
27160 / 27157	DEF AT - - - - -	DEF AT 5
27220 / 27217	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
27310 / 27307	DEF AT local marker foram increase	DEF AT 5
27340 / 27337	DEF AT - - - - -	DEF AT 4
27520 / 27517	DEF AT - - - - -	DEF AT 5
27640 / 27637	DEF AT Arenaceous fauna (local marker)	DEF AT 5
27820 / 27817	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
28030 / 28027	DEF AT Arenaceous fauna (local marker)	DEF AT 5
28120 / 28117	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
28420 / 28417	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
28660 / 28657	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 02-MAR-2006	First Sample Examined: 25960
Lease Number: G21212	Source of Paleo: OPERATOR	Borehole MD: 32475
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32473
API Well Number: 608114044601	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 25960 - 32475	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
28690 / 28687	DEF AT - - - - -	DEF AT 4
28900 / 28897	DEF AT - - - - -	DEF AT 5
28930 / 28927	DEF AT local marker foram increase	DEF AT 5
29050 / 29047	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
29200 / 29197	DEF AT local marker foram increase	DEF AT 5
29560 / 29557	DEF AT local marker foram increase	DEF AT 5
29980 / 29977	DEF AT - - - - -	POS AT 5
30040 / 30037	DEF AT - - - - -	DEF AT 4
30130 / 30127	DEF AT - - - - -	DEF AT 5
30160 / 30157	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
30400 / 30397	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
30490 / 30487	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
30910 / 30907	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
31240 / 31237	DEF AT local marker foram increase	DEF AT 5
31330 / 31327	DEF AT local marker foram increase	DEF AT 5
31450 / 31447	DEF AT transported inner shelf facies	DEF AT 5
31600 / 31597	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
31690 / 31687	DEF AT local marker foram increase	DEF AT 5
32050 / 32047	DEF AT local marker foram increase	DEF AT 5
32080 / 32077	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
32475 / 32472	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 434	Date of Summary: 01-APR-2006	First Sample Examined: 25800
Lease Number: G21212	Source of Paleo: OPERATOR	Borehole MD: 32475
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 32473
API Well Number: 608114044601	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 25800 - 32475	Water Depth: 3448
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
25800 / 25799	DEF AT first sample examined	DEF AT
25801 / 25800	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
25900 / 25899	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
25990 / 25989	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26980 / 26977	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
27910 / 27907	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
29920 / 29917	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
30070 / 30067	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30190 / 30187	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
30910 / 30907	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
32050 / 32047	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
32475 / 32472	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 473	Date of Summary: 16-MAR-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: King Kong Prospect, 9660=possible warm and cool fauna

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	POS IN 2
6150 / 6150	DEF AT faunal change (no faunal increase)	DEF IN 2
6210 / 6210	DEF AT faunal change (no faunal increase)	DEF IN 3
6360 / 6360	DEF AT faunal change (no faunal increase)	DEF AT 4
6630 / 6630	DEF AT faunal change (no faunal increase)	DEF IN 3
6660 / 6660	DEF AT faunal change (no faunal increase)	DEF AT 4
6900 / 6900	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7080 / 7080	DEF AT local marker foram increase	DEF AT 4
7230 / 7230	DEF AT faunal change (no faunal increase)	DEF AT 4
7290 / 7290	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
7380 / 7380	DEF AT faunal change (no faunal increase)	DEF AT 4
7650 / 7650	DEF AT local marker foram increase	DEF AT 5
7800 / 7800	DEF AT faunal change (no faunal increase)	DEF AT 4
8070 / 8070	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8130 / 8130	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8280 / 8280	DEF AT faunal change (no faunal increase)	DEF AT 5
8370 / 8370	DEF AT faunal change (no faunal increase)	DEF AT 4
9090 / 9090	DEF AT faunal change (no faunal increase)	DEF AT 5
9630 / 9629	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9660 / 9659	DEF AT faunal change (no faunal increase)	DEF AT 5
9900 / 9896	DEF AT faunal change (no faunal increase)	DEF AT 4
10560 / 10543	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 473	Date of Summary: 16-MAR-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10650 / 10631	DEF AT faunal change (no faunal increase)	DEF AT 5
10770 / 10749	DEF AT faunal change (no faunal increase)	DEF AT 4
10830 / 10808	DEF AT faunal change (no faunal increase)	DEF AT 5
10860 / 10837	DEF AT faunal change (no faunal increase)	DEF AT 4
10890 / 10866	DEF AT faunal change (no faunal increase)	DEF AT 5
10950 / 10925	DEF AT faunal change (no faunal increase)	DEF AT 4
11070 / 11043	DEF AT faunal change (no faunal increase)	DEF AT 5
11220 / 11190	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11400 / 11369	DEF AT faunal change (no faunal increase)	DEF AT 4
11520 / 11489	POS AT local marker foram increase	DEF AT 4
11640 / 11609	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11820 / 11789	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
12120 / 12089	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
12150 / 12119	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
12180 / 12149	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12210 / 12179	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12250 / 12219	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 473	Date of Summary: 01-JUL-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	DEF AT
6600 / 6600	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7290 / 7290	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9660 / 9659	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
10860 / 10837	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10950 / 10925	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11490 / 11459	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11760 / 11729	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11790 / 11759	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11820 / 11789	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11970 / 11939	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12120 / 12089	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12150 / 12119	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
12240 / 12209	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
12250 / 12219	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 473	Date of Summary: 19-JUL-2000	First Sample Examined: 6000
Lease Number: G05922	Source of Paleo: OPERATOR	Borehole MD: 12250
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12219
API Well Number: 608114027300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 3 of 3	Sample Range: 6000 - 12250	Water Depth: 3833
Public Info Code: Y 18-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6000 / 6000	DEF AT first sample examined	POS AT 4
6600 / 6600	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 4
7290 / 7290	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF IN 4
8130 / 8130	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
9660 / 9659	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 4
10860 / 10837	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
10950 / 10925	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
11490 / 11459	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
11520 / 11489	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
11640 / 11609	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11760 / 11729	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
11790 / 11759	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
11820 / 11789	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
11821 / 11790	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
11970 / 11939	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12120 / 12089	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
12149 / 12118	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF IN 4
12150 / 12119	POS IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 4
12180 / 12149	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
12250 / 12219	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 474	Date of Summary: 14-MAR-2002	First Sample Examined: 6780
Lease Number: G21798	Source of Paleo: OPERATOR	Borehole MD: 13967
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13279
API Well Number: 608114033400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6780 - 13950	Water Depth: 4136
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6780 / 6780	DEF AT first sample examined	DEF AT
9240 / 9215	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10380 / 10178	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10620 / 10378	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10650 / 10402	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10770 / 10500	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11280 / 10922	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
12390 / 11884	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12590 / 12060	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12660 / 12121	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12720 / 12174	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12810 / 12254	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12900 / 12334	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12960 / 12387	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13380 / 12758	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13950 / 13265	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 474	Date of Summary: 15-MAR-2002	First Sample Examined: 6780
Lease Number: G21798	Source of Paleo: OPERATOR	Borehole MD: 13967
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13279
API Well Number: 608114033400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6780 - 13950	Water Depth: 4136
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6780 / 6780	DEF AT first sample examined	DEF AT 4
6900 / 6900	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7230 / 7230	DEF AT - - - - -	DEF AT 4
9140 / 9122	DEF AT - - - - -	DEF AT 5
9300 / 9269	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9570 / 9504	DEF AT - - - - -	DEF AT 4
10410 / 10203	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10640 / 10394	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
10740 / 10476	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
10770 / 10500	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11160 / 10821	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
11280 / 10922	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11640 / 11230	DEF AT local marker planktic foram increase	DEF AT 5
12328 / 11830	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
12329 / 11831	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12330 / 11832	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12360 / 11858	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12390 / 11884	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
12420 / 11911	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12720 / 12174	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12839 / 12280	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12840 / 12281	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 474	Date of Summary: 15-MAR-2002	First Sample Examined: 6780
Lease Number: G21798	Source of Paleo: OPERATOR	Borehole MD: 13967
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13279
API Well Number: 608114033400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6780 - 13950	Water Depth: 4136
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13049 / 12465	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF IN 5
13050 / 12466	DEF AT Lower Pliocene (Zancian) Sphaeroidinellopsis multiloba	DEF IN 5
13380 / 12758	DEF AT - - - - -	DEF AT 5
13410 / 12785	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
13950 / 13265	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 485	Date of Summary: 18-SEP-2002	First Sample Examined: 14990
Lease Number: G20070	Source of Paleo: OPERATOR	Borehole MD: 24942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24929
API Well Number: 608114034300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 14990 - 24942	Water Depth: 2796
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 17150=undifferentiated Neogene fauna with significant background Eocene fauna persisting to 17510, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14990 / 14984	DEF AT first sample examined	POS AT 5
14991 / 14985	DEF IN salt	POS AT 5
17150 / 17144	DEF AT base of salt	DEF AT 5
17300 / 17294	DEF AT - - - - -	POS AT 6
17930 / 17924	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
18050 / 18044	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
19970 / 19964	DEF AT - - - - -	DEF IN 5
21620 / 21614	DEF AT - - - - -	DEF AT 5
22580 / 22573	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
23240 / 23232	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
24942 / 24929	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 485	Date of Summary: 18-SEP-2002	First Sample Examined: 14990
Lease Number: G20070	Source of Paleo: OPERATOR	Borehole MD: 24942
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24929
API Well Number: 608114034300	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14990 - 24942	Water Depth: 2796
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 15470=increased shale containing a mixed Oligocene and Eocene floral assemblage to 15560, 16310=increased shale containing a mixed Eocene floral assemblage to 16430, 17060=increased shale containing a mixed Eocene and Oligocene floral assemblage, 17150=out of salt, with a mixed Pliocene flora with Oligocene and Eocene flora, 17210=normal section, at or below Ceratolithus acutus LAD, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14990 / 14984	DEF AT first sample examined	DEF AT
14991 / 14985	DEF IN salt	DEF AT
15470 / 15464	DEF AT out-of-place section	DEF AT
17150 / 17144	DEF AT base of salt	DEF AT
17151 / 17145	DEF AT out-of-place section	DEF AT
17210 / 17204	DEF IN Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
17450 / 17444	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
20000 / 19994	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21620 / 21614	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22460 / 22453	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22550 / 22543	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
22700 / 22693	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
23510 / 23502	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
23540 / 23532	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
24942 / 24929	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 517	Date of Summary: 19-SEP-2008	First Sample Examined: 7512
Lease Number: G05923	Source of Paleo: OPERATOR	Borehole MD: 13110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12183
API Well Number: 608114051600	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 7512 - 13110	Water Depth: 3908
Public Info Code: Y 25-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7512 / 7512	DEF AT first sample examined	DEF AT 5
7560 / 7560	POS IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
7740 / 7740	DEF AT reworked material	DEF AT 5
7800 / 7800	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9170 / 9153	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
9919 / 9834	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 5
9920 / 9834	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF IN 5
10010 / 9908	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
10040 / 9932	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 5
11570 / 11047	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
11599 / 11069	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
11600 / 11069	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
11630 / 11092	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
12079 / 11423	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
12080 / 11423	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 5
12200 / 11512	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12530 / 11755	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
12558 / 11776	POS AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF IN 5
12559 / 11777	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12560 / 11777	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12770 / 11932	POS AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF IN 5
12800 / 11954	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 517	Date of Summary: 19-SEP-2008	First Sample Examined: 7512
Lease Number: G05923	Source of Paleo: OPERATOR	Borehole MD: 13110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12183
API Well Number: 608114051600	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 7512 - 13110	Water Depth: 3908
Public Info Code: Y 25-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12890 / 12021	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 5
13039 / 12130	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF IN 5
13040 / 12131	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF IN 5
13110 / 12183	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-SEP-1999	First Sample Examined: 21440
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25971
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25230
API Well Number: 608114024601	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 21440 - 25970	Water Depth: 3979
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21440 / 21399	DEF AT first sample examined	DEF AT
21441 / 21400	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21500 / 21459	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21560 / 21518	DEF AT reworked material	DEF AT
21590 / 21548	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21710 / 21666	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
21890 / 21839	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
23060 / 22845	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
23180 / 22942	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
23240 / 22990	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
23300 / 23038	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
23360 / 23087	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23480 / 23183	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
23540 / 23231	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23600 / 23280	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23810 / 23448	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23811 / 23449	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24230 / 23784	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
24440 / 23955	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
24650 / 24127	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
24680 / 24152	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnoides	DEF AT
24770 / 24227	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-SEP-1999	First Sample Examined: 21440
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25971
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25230
API Well Number: 608114024601	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 21440 - 25970	Water Depth: 3979
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
25220 / 24602	DEF AT reworked material	DEF AT
25250 / 24627	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25600 / 24920	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
25917 / 25185	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25918 / 25186	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
25919 / 25187	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
25940 / 25204	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
25970 / 25229	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-OCT-1999	First Sample Examined: 21440
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25971
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25230
API Well Number: 608114024601	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 21440 - 25970	Water Depth: 3979
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21440 / 21399	DEF AT first sample examined	DEF AT 5
21441 / 21400	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
21530 / 21489	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21590 / 21548	DEF AT faunal change (no faunal increase)	DEF AT 4
21680 / 21636	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21730 / 21685	DEF AT - - - -	DEF IN 4
21950 / 21896	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF IN 4
22220 / 22145	DEF AT Arenaceous fauna (local marker)	DEF IN 4
22280 / 22199	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 4
22700 / 22555	DEF AT local marker foram increase	DEF IN 4
22760 / 22603	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
22820 / 22652	DEF AT Arenaceous fauna (local marker)	DEF IN 4
22940 / 22748	DEF AT local marker foram increase	DEF IN 4
23240 / 22990	DEF AT local marker foram increase	DEF IN 4
23270 / 23014	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
23390 / 23111	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 5
23660 / 23328	DEF AT faunal change (no faunal increase)	DEF IN 4
24080 / 23664	DEF AT local marker foram increase	DEF IN 4
24530 / 24029	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 4
24650 / 24127	DEF AT local marker foram increase	DEF IN 4
25130 / 24527	DEF AT - - - -	DEF AT 4
25220 / 24602	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-OCT-1999	First Sample Examined: 21440
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25971
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25230
API Well Number: 608114024601	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 21440 - 25970	Water Depth: 3979
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
25250 / 24627	DEF AT local marker foram increase	DEF IN 4
25400 / 24753	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF IN 4
25460 / 24803	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 4
25720 / 25020	DEF AT Arenaceous fauna (local marker)	DEF AT 5
25940 / 25204	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
25970 / 25229	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-JUL-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 24280=rare Globigerinoides diminutus, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7020 / 7020	DEF AT first sample examined	DEF AT 4
7260 / 7260	POS AT local marker foram increase	DEF AT 4
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 6
7620 / 7620	DEF AT faunal change (no faunal increase)	DEF AT 5
7680 / 7680	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8010 / 8010	DEF AT local marker planktic foram increase	DEF AT 5
8220 / 8220	DEF AT faunal change (no faunal increase)	DEF AT 4
8580 / 8580	DEF AT faunal change (no faunal increase)	POS AT 5
8880 / 8880	DEF AT faunal change (no faunal increase)	DEF AT 4
9120 / 9120	DEF AT faunal change (no faunal increase)	DEF AT 5
9180 / 9180	DEF AT local marker planktic foram increase	DEF AT 5
9300 / 9300	DEF AT faunal change (no faunal increase)	DEF AT 4
9480 / 9480	DEF AT faunal change (no faunal increase)	DEF AT 5
9510 / 9510	DEF AT local marker planktic foram increase	DEF AT 5
9750 / 9750	DEF AT faunal change (no faunal increase)	DEF IN 4
10080 / 10080	DEF AT faunal change (no faunal increase)	DEF IN 3
10260 / 10259	DEF AT faunal change (no faunal increase)	DEF AT 4
10410 / 10409	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 4
10440 / 10439	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
10620 / 10619	DEF AT local marker foram increase	DEF IN 5
10740 / 10739	DEF AT faunal change (no faunal increase)	DEF AT 5
10770 / 10769	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-JUL-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11220 / 11219	DEF AT local marker planktic foram increase	DEF AT 5
11490 / 11489	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
11550 / 11549	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 6
11610 / 11609	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 6
11670 / 11669	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
11730 / 11729	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11910 / 11909	DEF AT gypsum	DEF AT 6
12140 / 12139	DEF AT salt	POS AT 6
21119 / 21079	DEF AT base of salt	DEF AT 4
21120 / 21080	POS AT Pliocene	DEF AT 4
21121 / 21081	POS AT Miocene	DEF AT 4
21240 / 21200	DEF AT faunal change (no faunal increase)	POS IN 3
21300 / 21260	DEF AT faunal change (no faunal increase)	DEF AT 5
21370 / 21330	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
21400 / 21360	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
21440 / 21399	DEF AT faunal change (no faunal increase)	POS AT 5
21590 / 21549	POS AT Upper Miocene (Tortonian) Textularia "G"	POS AT 5
21680 / 21639	POS AT Upper Miocene (Tortonian) Cibicides crebbsi	POS AT 5
21800 / 21758	DEF AT faunal change (no faunal increase)	DEF AT 5
21870 / 21828	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21930 / 21888	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
22080 / 22037	DEF AT faunal change (no faunal increase)	DEF AT 4
22280 / 22236	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
22700 / 22654	DEF AT Arenaceous fauna (local marker)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-JUL-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
23020 / 22973	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23120 / 23072	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
23170 / 23122	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
23250 / 23201	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
23380 / 23331	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
23460 / 23410	DEF AT faunal change (no faunal increase)	DEF IN 4
23560 / 23510	DEF AT - - - - -	DEF AT 4
23780 / 23729	DEF AT local marker foram increase	DEF AT 5
23840 / 23789	DEF AT faunal change (no faunal increase)	DEF IN 4
23980 / 23928	DEF AT Arenaceous fauna (local marker)	DEF IN 4
24039 / 23987	DEF AT condensed section	DEF AT 5
24040 / 23988	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
24060 / 24008	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
24160 / 24107	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 4
24200 / 24147	DEF AT faunal change (no faunal increase)	DEF IN 4
24240 / 24187	POS AT local marker planktic foram increase	DEF IN 5
24280 / 24227	POS IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 5
24340 / 24287	DEF AT - - - - -	DEF AT 5
24420 / 24366	DEF AT faunal change (no faunal increase)	DEF IN 4
24580 / 24525	DEF AT local marker foram increase	DEF AT 4
24710 / 24655	DEF AT local marker planktic foram increase	DEF AT 4
24750 / 24694	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
24810 / 24754	DEF AT - - - - -	DEF IN 4
24870 / 24814	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-JUL-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
25110 / 25052	DEF AT - - - - -	DEF IN 4
25590 / 25530	DEF AT Arenaceous fauna (local marker)	DEF IN 4
25620 / 25560	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-AUG-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 25410=Ericsonia fenestrata (reworked?), 25440=Helicosphaera compacta (reworked?), Coccolithus eopelagicus (reworked), still in Lower Miocene at TD - normally the consistent occurrence of Dictyococcites bisectus indicates the top of the global Oligocene, and is somewhat supported by the presence of the Lowermost Miocene LAD of Ericsonia fenestrata - the presence, however, of some reworked Eocene specimens in the sample at 25440 may indicate that the Dictyococcites bisectus specimens are also reworked - the lack of Spheniolithus ciperoensis (with the exception of a single specimen at 25350) and the lack of Dictyococcites bisectus below 25440 support this, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7020 / 7020	DEF AT first sample examined	DEF AT
7380 / 7380	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
7500 / 7500	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7800 / 7800	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
7950 / 7950	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9090 / 9090	DEF AT local marker floral increase	DEF AT
9180 / 9180	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10440 / 10439	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
10500 / 10499	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
10620 / 10619	DEF AT reworked material	DEF AT
10740 / 10739	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11130 / 11129	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
11219 / 11218	DEF AT reworked material	DEF AT
11220 / 11219	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
11309 / 11308	DEF AT reworked material	DEF AT
11310 / 11309	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11459 / 11458	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11460 / 11459	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-AUG-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11489 / 11488	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11490 / 11489	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11550 / 11549	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11670 / 11669	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11730 / 11729	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11790 / 11789	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica "B"	DEF AT
11819 / 11818	POS AT unconformity	DEF AT
11820 / 11819	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12140 / 12139	DEF AT salt	DEF AT
21118 / 21078	DEF AT base of salt	DEF AT
21119 / 21079	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21120 / 21080	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21799 / 21757	DEF AT unconformity	DEF AT
21800 / 21758	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
22480 / 22435	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
22718 / 22672	DEF AT unconformity	DEF AT
22719 / 22673	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22720 / 22674	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
22960 / 22913	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
23120 / 23072	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
23460 / 23410	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
23740 / 23689	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
23760 / 23709	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
24140 / 24087	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperata	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 562	Date of Summary: 01-AUG-1999	First Sample Examined: 7020
Lease Number: G11075	Source of Paleo: OPERATOR	Borehole MD: 25624
Well Name: SS001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25564
API Well Number: 608114024600	Drilling Operator: CONOCO INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 7020 - 25620	Water Depth: 3979
Public Info Code: Y 13-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24240 / 24187	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
24300 / 24247	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
24570 / 24515	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
24580 / 24525	DEF AT reworked material	DEF AT
24670 / 24615	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
25170 / 25112	DEF AT reworked material	DEF AT
25189 / 25131	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25190 / 25132	DEF IN Lower Miocene (Burdigalian) Discoaster callosus (increase)	DEF AT
25320 / 25261	DEF AT reworked material	DEF AT
25360 / 25301	DEF AT Lower Miocene (Aquitania) Cyclocargolithus abisectus	DEF AT
25410 / 25350	DEF AT reworked material	DEF AT
25589 / 25529	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
25590 / 25530	DEF AT Lower Miocene (Aquitania) Discoaster woodringii	DEF AT
25620 / 25560	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 563	Date of Summary: 11-OCT-1999	First Sample Examined: 6600
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 25058
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25000
API Well Number: 608114024900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6600 - 24990	Water Depth: 4144
Public Info Code: Y 08-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 18030 to 19320 = mixed fauna and flora of Middle to Late Miocene assemblage, 21150=mix of Late Miocene to Uvigerina 3 equivalent assemblageS, 21900=Late Eocene based on abundant planktic fauna and flora, 21930=Globigerinatheka index and Globorotalia cerroazulensis cerroazulensis, 21990=Globigerinatheka spp, and Globigerinatheka index tropicalis with variety Globorotalia bulbrookii (possibly reworked)

MD / TVD	Paleo Top Description	Ecozone
6600 / 6600	DEF AT first sample examined	DEF AT
7470 / 7470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
9840 / 9840	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
10380 / 10380	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
11040 / 11040	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
11280 / 11280	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 6
11894 / 11894	DEF AT cement	POS AT 6
11910 / 11910	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 6
11911 / 11911	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 6
11970 / 11970	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 6
12150 / 12150	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6
12210 / 12210	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF IN 6
12450 / 12450	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF IN 6
12540 / 12540	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 6
12720 / 12719	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF IN 6
12749 / 12748	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF IN 6
12750 / 12749	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF IN 6
13020 / 13019	DEF AT - - - - -	POS AT 6
13230 / 13229	DEF AT - - - - -	DEF IN 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 563	Date of Summary: 11-OCT-1999	First Sample Examined: 6600
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 25058
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25000
API Well Number: 608114024900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6600 - 24990	Water Depth: 4144
Public Info Code: Y 08-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13620 / 13619	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
13890 / 13889	DEF AT - - - - -	DEF AT 6
13980 / 13979	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
14370 / 14369	DEF AT - - - - -	POS AT 6
14520 / 14519	DEF AT - - - - -	DEF AT 6
16080 / 16079	DEF AT - - - - -	POS AT 6
16590 / 16589	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
17070 / 17069	DEF AT sample gap top	POS AT 6
17240 / 17239	DEF AT sample gap bottom	DEF AT 6
18030 / 18029	DEF AT Miocene	DEF AT 6
18150 / 18149	DEF AT - - - - -	DEF IN 6
18570 / 18569	DEF AT salt	POS IN 6
21030 / 21021	DEF AT base of salt	POS AT 6
21150 / 21140	DEF AT Miocene	POS AT 6
21330 / 21319	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 6
21450 / 21439	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 6
21540 / 21529	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
21630 / 21618	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 6
21810 / 21798	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 6
21900 / 21888	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 6
21930 / 21918	DEF IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6
21988 / 21976	POS AT gouge	DEF AT 6
21989 / 21977	POS AT reworked material	DEF AT 6
21990 / 21978	POS IN Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 563	Date of Summary: 11-OCT-1999	First Sample Examined: 6600
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 25058
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25000
API Well Number: 608114024900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6600 - 24990	Water Depth: 4144
Public Info Code: Y 08-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22020 / 22008	DEF AT salt	DEF AT 6
24990 / 24934	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 563	Date of Summary: 01-MAY-2000	First Sample Examined: 15850
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 22980
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22609
API Well Number: 608114024901	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15850 - 22980	Water Depth: 4144
Public Info Code: Y 15-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 18780=apparent repeat section, from 19590 to 19779, a mixed fauna was found from the Early and Middle Miocene, from 21840 to 22160 the section is an apparent repeat Upper Miocene assemblage, 22530=mixed age faunal assemblages

MD / TVD	Paleo Top Description	Ecozone
15850 / 15849	DEF AT first sample examined	POS AT 5
15851 / 15850	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	POS AT 5
15960 / 15959	DEF IN Upper (Late) Miocene	POS AT 5
16740 / 16724	DEF AT - - - - -	DEF AT 6
16770 / 16752	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
17070 / 17031	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
17190 / 17141	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
17220 / 17168	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
17590 / 17504	DEF AT reworked material	DEF AT 6
18210 / 18069	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 6
18540 / 18368	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
18600 / 18422	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
18689 / 18501	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF IN 6
18690 / 18502	DEF AT local marker planktic foram increase	DEF IN 6
18691 / 18503	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 6
18750 / 18556	DEF AT Arenaceous fauna (local marker)	DEF IN 6
18780 / 18583	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 6
19110 / 18878	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 6
19440 / 19176	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 6
19470 / 19203	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 6
19590 / 19313	POS AT Middle Miocene	DEF IN 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 563	Date of Summary: 01-MAY-2000	First Sample Examined: 15850
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 22980
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22609
API Well Number: 608114024901	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15850 - 22980	Water Depth: 4144
Public Info Code: Y 15-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19591 / 19314	POS AT Paleocene	DEF IN 6
19770 / 19479	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS IN 6
19860 / 19563	DEF AT - - - - -	DEF IN 6
19920 / 19618	POS AT Paleocene	DEF IN 6
19921 / 19619	POS AT Oligocene Anahuac Formation/Provincial Stage	DEF IN 6
20400 / 20066	DEF AT salt	DEF AT
21839 / 21467	DEF AT base of salt	DEF AT
21840 / 21468	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
21900 / 21528	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21930 / 21558	DEF AT - - - - -	DEF IN 6
22050 / 21678	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 6
22160 / 21788	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 6
22530 / 22158	DEF AT out-of-place section	DEF IN 6
22980 / 22608	DEF AT last sample examined	DEF IN 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 563	Date of Summary: 01-DEC-2000	First Sample Examined: 22410
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 26442
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25946
API Well Number: 608114024903	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 22410 - 26442	Water Depth: 4144
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, from 23490 to 24870, huge amounts of additive in the samples throughout this interval preclude foram zonations, 25470=one pyritized Globigerinoides primordius, 26442=TD=predominantly mid-Upper Oligocene forams, but still with some mid-Upper Eocene fossils, and a mix of Middle Eocene and Oligocene nannoflora

MD / TVD	Paleo Top Description	Ecozone
22410 / 21976	DEF AT first sample examined	DEF IN 5
22440 / 22006	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
22560 / 22126	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
22920 / 22486	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
23309 / 22875	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
23310 / 22876	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
23430 / 22996	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
23490 / 23056	DEF AT drilling material	DEF IN 5
23610 / 23176	DEF AT faunal change (no faunal increase)	POS AT 6
23730 / 23296	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 6
23731 / 23297	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 6
24393 / 23958	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 6
24630 / 24195	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 6
24860 / 24424	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	POS AT 6
24870 / 24433	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 6
24960 / 24522	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
25185 / 24743	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 6
25470 / 25021	DEF AT pyrite	POS AT 6
25530 / 25080	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
25800 / 25342	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 563	Date of Summary: 01-DEC-2000	First Sample Examined: 22410
Lease Number: G11076	Source of Paleo: OPERATOR	Borehole MD: 26442
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25946
API Well Number: 608114024903	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 22410 - 26442	Water Depth: 4144
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
25890 / 25428	DEF AT Oligocene	DEF IN 5
25905 / 25443	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF IN 5
25965 / 25500	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 5
26085 / 25614	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF IN 5
26100 / 25628	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
26101 / 25629	POS AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 5
26102 / 25630	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
26160 / 25684	POS AT Upper (Late) Eocene	DEF IN 5
26250 / 25769	DEF AT Middle Eocene	DEF IN 5
26280 / 25796	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
26295 / 25810	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF IN 5
26310 / 25824	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 5
26440 / 25945	POS IN Upper Oligocene Chattian Stage	DEF IN 5
26441 / 25946	POS AT Middle Eocene	DEF IN 5
26442 / 25947	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 601	Date of Summary: 25-FEB-2002	First Sample Examined: 7060
Lease Number: G21218	Source of Paleo: OPERATOR	Borehole MD: 24120
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24092
API Well Number: 608114031000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 7060 - 24120	Water Depth: 4489
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7060 / 7060	DEF AT first sample examined	DEF AT
11260 / 11259	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
15420 / 15419	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
17310 / 17309	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
18090 / 18089	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
18450 / 18449	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
19110 / 19109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
19230 / 19229	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19440 / 19439	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19590 / 19589	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19650 / 19648	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
19680 / 19678	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
20130 / 20128	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
20910 / 20907	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
22260 / 22253	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
23100 / 23087	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
24060 / 24038	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
24120 / 24098	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 601	Date of Summary: 26-FEB-2002	First Sample Examined: 7060
Lease Number: G21218	Source of Paleo: OPERATOR	Borehole MD: 24120
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24092
API Well Number: 608114031000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 7060 - 24120	Water Depth: 4489
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7060 / 7060	DEF AT first sample examined	DEF IN 5
7330 / 7330	DEF AT Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
7360 / 7360	DEF AT - - - - -	DEF AT 5
9580 / 9579	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
12390 / 12389	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
17310 / 17309	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
18120 / 18119	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
18480 / 18479	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
19350 / 19349	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
19440 / 19439	DEF AT - - - - -	DEF IN 5
19470 / 19469	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
19500 / 19499	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
19530 / 19529	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
19679 / 19677	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 5
19680 / 19678	DEF AT Lower Pliocene (Zancian) Uvigerina rustica	DEF IN 5
19800 / 19798	DEF AT - - - - -	DEF AT 5
20160 / 20158	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 5
20250 / 20248	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
23010 / 22997	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
23100 / 23087	DEF AT - - - - -	DEF IN 5
23250 / 23236	DEF AT - - - - -	DEF AT 5
24120 / 24098	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7070
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14498
API Well Number: 608114027400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7070 - 13225	Water Depth: 4320
Public Info Code: Y 21-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7070 / 7070	DEF AT first sample examined	POS AT 5
7071 / 7071	DEF AT cement	POS AT 5
7220 / 7220	DEF AT - - - - -	DEF AT 5
8570 / 8569	DEF AT - - - - -	DEF AT 4
9980 / 9979	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
10600 / 10599	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
10930 / 10929	POS AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
11020 / 11019	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11050 / 11049	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
11287 / 11286	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
11288 / 11287	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11289 / 11288	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11290 / 11289	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
11349 / 11348	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 5
11350 / 11349	DEF AT Lower Pliocene (Zancian) Uvigerina rustica	DEF IN 5
11440 / 11439	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF IN 5
11470 / 11469	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF IN 5
11560 / 11559	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF IN 5
11709 / 11708	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
11710 / 11709	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13180 / 13179	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 5
13225 / 13224	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7070
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14498
API Well Number: 608114027400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7070 - 13225	Water Depth: 4320
Public Info Code: Y 21-MAY-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7070 / 7070	DEF AT first sample examined	DEF AT
7550 / 7549	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10000 / 9999	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10540 / 10539	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10570 / 10569	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10960 / 10959	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11050 / 11049	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11110 / 11109	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11290 / 11289	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
11320 / 11319	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
11380 / 11379	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
11469 / 11468	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
11470 / 11469	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
11560 / 11559	DEF AT Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
11680 / 11679	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12580 / 12579	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12879 / 12878	POS AT salt weld	DEF AT
12880 / 12879	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12999 / 12998	POS AT salt weld	DEF AT
13000 / 12999	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13180 / 13179	POS AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
13210 / 13209	DEF AT salt	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7070
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 14500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14498
API Well Number: 608114027400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7070 - 13225	Water Depth: 4320
Public Info Code: Y 21-MAY-2010	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13225 / 13224	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7170
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18684
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17108
API Well Number: 608114027401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7170 - 18410	Water Depth: 4263
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7170 / 7170	DEF AT first sample examined	DEF AT 5
8910 / 8797	DEF AT - - - - -	DEF AT 4
9870 / 9615	DEF AT - - - - -	DEF AT 5
9960 / 9692	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
11430 / 10935	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11819 / 11262	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11820 / 11263	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12059 / 11465	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
12060 / 11465	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
12088 / 11489	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
12089 / 11490	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12090 / 11491	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12210 / 11593	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12270 / 11643	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12390 / 11745	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12420 / 11770	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
12480 / 11821	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
12660 / 11972	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
16240 / 14962	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
16390 / 15087	DEF AT - - - - -	DEF AT 5
18020 / 16506	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
18140 / 16614	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7170
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18684
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17108
API Well Number: 608114027401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7170 - 18410	Water Depth: 4263
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18410 / 16859	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7170
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18684
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17108
API Well Number: 608114027401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7170 - 18410	Water Depth: 4263
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7170 / 7170	DEF AT first sample examined	DEF AT
7590 / 7585	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9990 / 9717	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11400 / 10910	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11850 / 11288	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12060 / 11465	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12090 / 11491	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
12120 / 11516	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
12240 / 11618	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
12390 / 11745	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
12450 / 11796	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
12600 / 11922	POS AT Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
12660 / 11972	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14380 / 13412	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
15010 / 13937	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15400 / 14262	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15610 / 14436	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15849 / 14634	POS AT salt weld	DEF AT
15850 / 14635	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16030 / 14785	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16330 / 15037	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16580 / 15246	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 27-JUL-2000	First Sample Examined: 7170
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18684
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17108
API Well Number: 608114027401	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7170 - 18410	Water Depth: 4263
Public Info Code: Y 22-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
17780 / 16291	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
18110 / 16587	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18320 / 16777	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18410 / 16859	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 07-AUG-2000	First Sample Examined: 15130
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 19510
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18224
API Well Number: 608114027402	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15130 - 19510	Water Depth: 4263
Public Info Code: Y 09-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15130 / 14037	DEF AT first sample examined	DEF AT
15430 / 14290	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15610 / 14448	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15850 / 14661	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15970 / 14769	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16220 / 14998	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16400 / 15165	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17350 / 16071	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
17740 / 16456	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17961 / 16676	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18030 / 16745	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18060 / 16775	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18180 / 16895	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18270 / 16985	DEF AT domal material	DEF AT
18420 / 17135	DEF AT salt	DEF AT
19510 / 18224	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 07-AUG-2000	First Sample Examined: 17200
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 19510
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18224
API Well Number: 608114027402	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 15130 - 17961	Water Depth: 4263
Public Info Code: Y 09-AUG-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15130 / 14037	DEF AT first sample examined	DEF AT 5
16180 / 14961	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
17590 / 16308	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17709 / 16425	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17710 / 16426	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17860 / 16575	DEF AT - - - - -	DEF IN 5
18060 / 16775	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
18210 / 16925	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
18750 / 17464	DEF AT salt	DEF IN 5
19510 / 18224	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 13-SEP-2000	First Sample Examined: 7110
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 15188
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13400
API Well Number: 608114027403	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7110 - 15188	Water Depth: 4263
Public Info Code: Y 07-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7110 / 7109	DEF AT first sample examined	DEF AT 5
8730 / 8600	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
12120 / 11070	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
12390 / 11271	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
12450 / 11315	DEF AT local marker planktic foram increase	DEF AT 5
12690 / 11487	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12720 / 11508	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
12809 / 11571	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
12810 / 11572	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
12840 / 11594	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
12868 / 11614	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
12869 / 11615	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
12870 / 11615	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
12900 / 11637	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
12930 / 11659	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
12990 / 11703	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
13020 / 11724	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 5
13290 / 11916	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
13320 / 11937	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
13380 / 11980	DEF AT - - - - -	DEF AT 5
13680 / 12196	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
14940 / 13183	DEF AT local marker deep water fauna	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 13-SEP-2000	First Sample Examined: 7110
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 15188
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13400
API Well Number: 608114027403	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7110 - 15188	Water Depth: 4263
Public Info Code: Y 07-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15188 / 13398	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 13-SEP-2000	First Sample Examined: 7110
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 15188
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13400
API Well Number: 608114027403	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7110 - 15188	Water Depth: 4263
Public Info Code: Y 07-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7110 / 7109	DEF AT first sample examined	DEF AT
7500 / 7496	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
10170 / 9642	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11910 / 10919	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
12690 / 11487	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12750 / 11529	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12806 / 11569	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12807 / 11570	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
12808 / 11571	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12809 / 11571	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12810 / 11572	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12900 / 11637	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
12960 / 11681	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13200 / 11851	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13320 / 11937	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14730 / 13005	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15188 / 13398	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 20-OCT-2000	First Sample Examined: 7100
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 13445
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12331
API Well Number: 608114027404	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 7100 - 13445	Water Depth: 4263
Public Info Code: Y 08-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7100 / 7100	DEF AT first sample examined	DEF AT
7280 / 7278	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9920 / 9454	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10880 / 10132	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10998 / 10220	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10999 / 10221	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11000 / 10222	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11450 / 10579	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
11510 / 10628	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11720 / 10805	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11840 / 10908	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12740 / 11698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13040 / 11969	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13280 / 12184	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
13340 / 12238	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13445 / 12331	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 20-OCT-2000	First Sample Examined: 7100
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 13445
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12331
API Well Number: 608114027404	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7100 - 13445	Water Depth: 4263
Public Info Code: Y 08-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7100 / 7100	DEF AT first sample examined	DEF AT 5
8630 / 8538	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8810 / 8684	DEF AT - - - - -	DEF AT 4
10550 / 9895	DEF AT - - - - -	DEF AT 5
10640 / 9959	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11090 / 10290	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11120 / 10313	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
11149 / 10336	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
11150 / 10337	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
11329 / 10480	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
11330 / 10481	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
11360 / 10505	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
11420 / 10554	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
11510 / 10628	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
11538 / 10651	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
11539 / 10652	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
11540 / 10653	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
11780 / 10857	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
12860 / 11806	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
13310 / 12211	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 5
13445 / 12331	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 23-JAN-2001	First Sample Examined: 6970
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17714
API Well Number: 608114028800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6970 - 18000	Water Depth: 4269
Public Info Code: Y 19-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6970 / 6969	DEF AT first sample examined	DEF AT 5
7390 / 7389	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
7480 / 7479	DEF AT - - - - -	DEF AT 4
9369 / 9368	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9370 / 9369	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
9399 / 9398	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
9400 / 9399	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
9430 / 9429	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
9487 / 9486	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9488 / 9487	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9489 / 9488	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 5
9490 / 9489	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9520 / 9519	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 5
9549 / 9548	DEF AT Lower Pliocene (Zancian) Uvigerina rustica	DEF IN 5
9550 / 9549	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF IN 5
9610 / 9608	DEF AT Lower Pliocene (Zancian) Sphaeroidinellopsis multiloba	DEF IN 5
9670 / 9668	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
9700 / 9698	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 5
9880 / 9875	DEF AT - - - - -	DEF AT 6
10090 / 10076	DEF AT - - - - -	DEF IN 5
12340 / 12065	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 5
14260 / 13915	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 23-JAN-2001	First Sample Examined: 6970
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17714
API Well Number: 608114028800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6970 - 18000	Water Depth: 4269
Public Info Code: Y 19-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15040 / 14694	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
16210 / 15862	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
16360 / 16012	DEF AT - - - - -	DEF AT 5
17109 / 16758	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
17110 / 16759	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17570 / 17217	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17775 / 17421	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
17920 / 17565	DEF AT salt	DEF AT 5
18000 / 17644	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 23-JAN-2001	First Sample Examined: 6970
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17714
API Well Number: 608114028800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6970 - 18000	Water Depth: 4269
Public Info Code: Y 19-DEC-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6970 / 6969	DEF AT first sample examined	DEF AT
7210 / 7209	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9369 / 9368	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9370 / 9369	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9429 / 9428	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9430 / 9429	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9459 / 9458	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9460 / 9459	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9490 / 9489	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
9550 / 9549	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
9610 / 9608	DEF AT Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
9700 / 9698	DEF AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT
12190 / 11929	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12940 / 12622	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13870 / 13528	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14020 / 13676	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14350 / 14004	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15130 / 14784	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15550 / 15203	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15640 / 15293	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16240 / 15892	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16720 / 16371	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 608	Date of Summary: 23-JAN-2001	First Sample Examined: 6970
Lease Number: G18402	Source of Paleo: OPERATOR	Borehole MD: 18071
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17714
API Well Number: 608114028800	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6970 - 18000	Water Depth: 4269
Public Info Code: Y 19-DEC-2010	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
17110 / 16759	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
17470 / 17118	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
17710 / 17356	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17830 / 17475	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17860 / 17505	DEF AT salt	DEF AT
18000 / 17644	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 639	Date of Summary: 11-NOV-2008	First Sample Examined: 8474
Lease Number: G20081	Source of Paleo: OPERATOR	Borehole MD: 28110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28000
API Well Number: 608114051700	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 8474 - 9820	Water Depth: 3926
Public Info Code: Y 20-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Suprasalt consultant-integrated foram and nanno report, salt encountered at 9800, no samples collected from 9820 to 14000, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8474 / 8472	DEF AT first sample examined	DEF AT 5
8528 / 8526	POS AT maximum flooding surface	DEF AT 5
8529 / 8527	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT 5
8530 / 8528	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8590 / 8588	DEF AT - - - - -	DEF IN 5
8739 / 8737	POS AT maximum flooding surface	DEF IN 5
8740 / 8738	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
8770 / 8768	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
8800 / 8798	DEF AT - - - - -	DEF AT 5
9099 / 9097	POS AT maximum flooding surface	DEF AT 5
9100 / 9098	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT 5
9160 / 9158	POS IN Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9519 / 9517	POS AT maximum flooding surface	DEF AT 5
9520 / 9518	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
9547 / 9545	DEF AT condensed section	DEF AT 5
9548 / 9546	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9549 / 9547	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9550 / 9548	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9580 / 9578	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
9699 / 9697	POS AT maximum flooding surface	DEF AT 5
9700 / 9698	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 639	Date of Summary: 11-NOV-2008	First Sample Examined: 8474
Lease Number: G20081	Source of Paleo: OPERATOR	Borehole MD: 28110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28000
API Well Number: 608114051700	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 87
Paleo Report Num: 1 of 2	Sample Range: 8474 - 9820	Water Depth: 3926
Public Info Code: Y 20-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9756 / 9754	POS AT maximum flooding surface	DEF AT 5
9757 / 9755	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
9758 / 9756	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9759 / 9757	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
9760 / 9758	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9820 / 9818	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 639	Date of Summary: 25-SEP-2009	First Sample Examined: 26590
Lease Number: G20081	Source of Paleo: OPERATOR	Borehole MD: 28110
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28000
API Well Number: 608114051700	Drilling Operator: ENI US OPERATING CO INC	Rkb Elevation: 87
Paleo Report Num: 2 of 2	Sample Range: 26590 - 28100	Water Depth: 3926
Public Info Code: Y 20-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Subsalt consultant-integrated foram and nanno report, 27401=overturned Turonian to Coniacian strata prevailing, continuing to Campanian-Maastrichtian age to TD

MD / TVD	Paleo Top Description	Ecozone
26590 / 26525	DEF AT first sample examined	DEF AT 5
26591 / 26526	DEF IN Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT 5
26708 / 26638	POS AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 5
26709 / 26639	POS AT Upper Cretaceous (Cenomanian) Rotalipora gandolfii	DEF AT 5
26710 / 26640	POS AT Lower Cretaceous (Albian) Prediscosphaera columnata	DEF AT 5
26800 / 26726	DEF AT Upper Cretaceous (Cenomanian) Textularia rioensis	DEF AT
26950 / 26869	DEF AT Upper Cretaceous (Cenomanian) Coriollithon kennedyi	DEF AT
27190 / 27100	DEF AT Upper Cretaceous (Cenomanian) Lithraphidites acutus	DEF AT
27249 / 27158	DEF AT radiolarians	DEF AT
27250 / 27159	POS IN Upper Cretaceous (Cenomanian) Rotalipora appenninica	DEF AT
27401 / 27306	DEF IN Upper Cretaceous (Turonian) Helvetoglobotruncana helvetica	DEF AT
27402 / 27307	DEF IN Upper Cretaceous (Santonian) Lithastrinus moratus	DEF AT
27459 / 27363	DEF IN Upper Cretaceous (Santonian) Dicarinella concavata	DEF AT
27460 / 27364	DEF IN Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
27730 / 27628	DEF IN Upper Cretaceous (Campanian) Aspidolithus parvus parvus	DEF AT
27910 / 27804	DEF IN Upper Cretaceous (Campanian) Globotruncana elevata	DEF AT
28060 / 27951	DEF IN Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
28100 / 27990	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 644	Date of Summary: 18-JAN-1999	First Sample Examined: 6593
Lease Number: G11080	Source of Paleo: OPERATOR	Borehole MD: 11724
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11724
API Well Number: 608114023500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6593 - 11710	Water Depth: 4292
Public Info Code: Y 08-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6593 / 6593	DEF AT first sample examined	DEF AT
6594 / 6594	DEF AT cement	DEF AT
7260 / 7260	DEF AT - - - - -	POS AT 5
8193 / 8193	DEF AT cement	POS AT 5
8220 / 8220	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS AT 5
8250 / 8250	DEF AT - - - - -	DEF AT 5
8430 / 8430	DEF AT - - - - -	POS AT 5
9150 / 9150	DEF AT - - - - -	DEF AT 5
9480 / 9480	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
9540 / 9540	DEF AT - - - - -	POS IN 5
9900 / 9900	DEF AT - - - - -	DEF IN 5
10020 / 10020	DEF AT - - - - -	POS AT 5
10170 / 10170	DEF AT - - - - -	DEF IN 5
10320 / 10320	DEF AT - - - - -	POS AT 5
10375 / 10375	DEF AT cement	POS AT 5
10510 / 10510	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
10555 / 10555	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
10570 / 10570	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
10585 / 10585	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
10660 / 10660	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT 6
10705 / 10705	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT 6
10720 / 10720	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 644	Date of Summary: 18-JAN-1999	First Sample Examined: 6593
Lease Number: G11080	Source of Paleo: OPERATOR	Borehole MD: 11724
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11724
API Well Number: 608114023500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6593 - 11710	Water Depth: 4292
Public Info Code: Y 08-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10750 / 10750	DEF AT - - - - -	DEF IN 6
10810 / 10810	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF IN 6
11005 / 11005	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF IN 6
11080 / 11080	DEF AT - - - - -	DEF IN 5
11575 / 11575	DEF AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF IN 5
11710 / 11710	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 644	Date of Summary: 15-FEB-1999	First Sample Examined: 11390
Lease Number: G11080	Source of Paleo: OPERATOR	Borehole MD: 12200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12188
API Well Number: 608114023501	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 10170 - 12200	Water Depth: 4292
Public Info Code: Y 13-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11390 / 11381	DEF AT first sample examined	POS IN 5
11920 / 11909	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	POS IN 5
11935 / 11924	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
12115 / 12104	DEF AT - - - - -	POS IN 5
12200 / 12189	DEF AT last sample examined	POS IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 645	Date of Summary: 06-DEC-1995	First Sample Examined: 6590
Lease Number: G11081	Source of Paleo: OPERATOR	Borehole MD: 16511
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15394
API Well Number: 608114026000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6590 - 16510	Water Depth: 4344
Public Info Code: Y 11-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6590 / 6590	DEF AT first sample examined	DEF IN 5
7850 / 7850	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS IN 5
8075 / 8075	DEF AT cement	POS IN 5
8900 / 8899	DEF AT - - - - -	POS IN 5
8960 / 8959	DEF AT local marker foram increase	DEF IN 5
9770 / 9769	DEF AT cement	POS IN 5
10130 / 10129	DEF AT - - - - -	DEF AT 5
10160 / 10159	DEF AT - - - - -	DEF AT 6
10190 / 10189	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 6
10250 / 10248	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
10400 / 10397	DEF AT - - - - -	POS IN 5
10700 / 10688	DEF AT - - - - -	DEF IN 5
11045 / 11008	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
11090 / 11048	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
11120 / 11074	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
11210 / 11150	DEF AT - - - - -	POS IN 5
11600 / 11472	POS AT Upper Pliocene (Gelasian) Discoaster surculus	POS IN 5
11780 / 11619	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
11900 / 11715	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
11945 / 11751	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 6
12020 / 11810	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 6
12050 / 11833	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF IN 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 645	Date of Summary: 06-DEC-1995	First Sample Examined: 6590
Lease Number: G11081	Source of Paleo: OPERATOR	Borehole MD: 16511
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15394
API Well Number: 608114026000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6590 - 16510	Water Depth: 4344
Public Info Code: Y 11-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12290 / 12017	DEF AT - - - - -	DEF AT 6
12590 / 12254	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
12605 / 12266	DEF AT - - - - -	DEF IN 6
12799 / 12421	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 6
12800 / 12421	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 6
12890 / 12491	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 6
13190 / 12718	DEF AT - - - - -	POS AT 6
13610 / 13053	DEF AT - - - - -	DEF IN 5
13790 / 13197	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 5
13880 / 13271	DEF AT - - - - -	POS AT 6
14170 / 13512	DEF AT - - - - -	DEF IN 5
14440 / 13736	DEF AT - - - - -	POS IN 5
14860 / 14074	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	POS IN 5
15190 / 14334	POS AT Upper Miocene (Messinian) Discoaster berggrenii	POS IN 5
15670 / 14719	DEF AT - - - - -	DEF IN 6
15910 / 14910	DEF AT - - - - -	POS AT 6
16510 / 15393	DEF AT last sample examined	POS AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 700	Date of Summary: 13-JAN-1999	First Sample Examined: 7186
Lease Number: G15604	Source of Paleo: OPERATOR	Borehole MD: 19525
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18701
API Well Number: 608115012401	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7186 - 19525	Water Depth: 4409
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 14145=undifferentiated Pliocene, may still be in salt, 14175-15100=mixed Plio-Pleistocene fauna and flora

MD / TVD	Paleo Top Description		Ecozone		
7186 / 7186	DEF	AT first sample examined	DEF	AT	
7187 / 7187	DEF	AT cement	DEF	AT	
7320 / 7320	DEF	AT salt	DEF	AT	
14144 / 14117	POS	AT base of salt	DEF	AT	
14145 / 14118	POS	IN Pliocene	DEF	AT	
14175 / 14147	DEF	IN out-of-place section	DEF	AT	
14205 / 14177	DEF	AT - - - - -	POS	AT	5
15100 / 15054	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	POS	AT	5
15115 / 15068	DEF	AT - - - - -	DEF	IN	5
15415 / 15349	DEF	AT - - - - -	POS	AT	5
16270 / 16096	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	POS	AT	5
16360 / 16171	DEF	AT - - - - -	POS	AT	5
16480 / 16271	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS	AT	5
16525 / 16308	POS	AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS	AT	5
16690 / 16442	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	POS	AT	5
17100 / 16769	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	POS	AT	5
17400 / 17006	POS	AT Middle Miocene (Serravallian) Discoaster kugleri	POS	AT	5
18650 / 18000	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS	AT	5
19100 / 18365	DEF	AT Lower Miocene (Burdigalian) Sphenolithus belemnos	POS	AT	5
19290 / 18516	DEF	AT Upper Oligocene (Chattian) Globigerina sellii	POS	AT	5
19379 / 18586	DEF	AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS	AT	5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 700	Date of Summary: 13-JAN-1999	First Sample Examined: 7186
Lease Number: G15604	Source of Paleo: OPERATOR	Borehole MD: 19525
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18701
API Well Number: 608115012401	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7186 - 19525	Water Depth: 4409
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19380 / 18587	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 700	Date of Summary: 13-JAN-1999	First Sample Examined: 18170
Lease Number: G15604	Source of Paleo: OPERATOR	Borehole MD: 20097
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18934
API Well Number: 608115012402	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 18170 - 20015	Water Depth: 4409
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
18170 / 17617	DEF AT first sample examined	DEF AT
18695 / 18017	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19235 / 18384	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
19400 / 18488	POS AT Upper Oligocene (Chattian) Globigerina sellii	POS AT 5
19475 / 18536	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS AT 5
20015 / 18881	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 7560
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 11519
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11518
API Well Number: 608114030500	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 7560 - 11519	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7560 / 7560	DEF AT first sample examined	DEF AT
7561 / 7561	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7800 / 7800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8520 / 8520	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8760 / 8760	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9000 / 9000	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9120 / 9120	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9240 / 9240	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10080 / 10079	DEF AT salt	DEF AT
11519 / 11518	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 7560
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 11519
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11518
API Well Number: 608114030500	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 7560 - 11519	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7560 / 7560	DEF AT first sample examined	DEF AT 5
7561 / 7561	POS IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7680 / 7680	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7800 / 7800	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
8280 / 8280	DEF AT - - - - -	DEF IN 5
8520 / 8520	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
8750 / 8750	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
9000 / 9000	DEF AT - - - - -	DEF IN 5
9120 / 9120	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9359 / 9359	POS AT gouge	DEF IN 5
9360 / 9360	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
9703 / 9703	DEF AT - - - - -	DEF IN 4
10080 / 10079	DEF AT salt	DEF AT
11400 / 11399	DEF IN salt	DEF AT
11519 / 11518	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15240 - 23862	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15240 / 15238	DEF AT first sample examined	DEF AT
15241 / 15239	DEF AT base of salt	DEF AT
15242 / 15240	DEF AT out-of-place section	DEF AT
15330 / 15328	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15480 / 15477	DEF AT sample gap top	DEF AT
15629 / 15626	DEF AT sample gap bottom	DEF AT
15630 / 15627	DEF IN Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
15870 / 15867	DEF AT Lower Pliocene (Zancian) Dictyococcites antarcticus	DEF AT
15900 / 15897	DEF IN Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF AT
16080 / 16077	DEF AT reworked material	DEF AT
16350 / 16347	DEF IN Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
17130 / 17126	DEF AT reworked material	DEF AT
17160 / 17156	DEF AT local marker floral increase	DEF AT
17310 / 17306	DEF AT reworked material	DEF AT
17370 / 17365	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
18050 / 18022	DEF AT reworked material	DEF AT
18140 / 18106	DEF AT reworked material	DEF AT
18290 / 18245	DEF AT local marker floral increase	DEF AT
19010 / 18872	DEF AT reworked material	DEF AT
19040 / 18897	DEF AT reworked material	DEF AT
19100 / 18948	DEF AT reworked material	DEF AT
19130 / 18974	DEF AT reworked material	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15240 - 23862	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19190 / 19024	DEF AT reworked material	DEF AT
19580 / 19350	DEF AT reworked material	DEF AT
19640 / 19400	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
19760 / 19499	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20000 / 19697	DEF AT local marker floral increase	DEF AT
20330 / 19967	DEF AT reworked material	DEF AT
20480 / 20091	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20960 / 20485	DEF AT local marker floral increase	DEF AT
21890 / 21252	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22610 / 21853	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
22820 / 22032	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22910 / 22110	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22970 / 22161	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
23449 / 22571	POS AT reworked material	DEF AT
23450 / 22572	POS IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
23862 / 22928	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15240 / 15238	DEF AT first sample examined	DEF AT 5
15241 / 15239	POS AT base of salt	DEF AT 5
15242 / 15240	DEF AT reworked material	DEF AT 5
15420 / 15417	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15480 / 15477	DEF AT sample gap top	POS AT 5
15630 / 15627	DEF AT sample gap bottom	DEF AT 5
15780 / 15777	DEF AT local marker foram increase	DEF AT 6
15810 / 15807	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
15870 / 15867	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
16050 / 16047	DEF AT pyrite	DEF AT 6
16080 / 16077	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
16350 / 16347	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
16530 / 16527	DEF AT local marker foram decrease	DEF IN 4
16710 / 16706	DEF AT - - - - -	DEF AT 5
17280 / 17276	DEF AT - - - - -	DEF IN 4
17480 / 17474	DEF AT - - - - -	POS IN 4
18080 / 18050	DEF AT - - - - -	DEF IN 4
18260 / 18218	DEF AT - - - - -	DEF AT 5
18380 / 18327	DEF AT - - - - -	DEF IN 4
18560 / 18488	DEF AT - - - - -	POS IN 4
18980 / 18846	DEF AT - - - - -	DEF AT 5
19040 / 18897	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
19220 / 19050	DEF AT - - - - -	POS AT 5
19340 / 19150	DEF AT - - - - -	DEF AT 5
19490 / 19275	POS AT local marker foram increase	DEF AT 5
19580 / 19350	DEF AT local marker planktic foram increase	DEF IN 5
19760 / 19499	DEF AT local marker benthic foram increase	DEF IN 5
20090 / 19771	DEF AT Arenaceous fauna (local marker)	DEF IN 4
20390 / 20016	DEF AT - - - - -	DEF AT 4
20570 / 20165	DEF AT - - - - -	POS AT 4
20810 / 20362	DEF AT - - - - -	DEF AT 5
20870 / 20411	DEF AT pyrite	DEF AT 5
20990 / 20510	DEF AT Arenaceous fauna (local marker)	DEF AT 5
21020 / 20535	DEF AT local marker foram increase	DEF AT 6
21170 / 20658	DEF AT - - - - -	DEF AT 4
21410 / 20856	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21470 / 20905	DEF AT - - - - -	DEF AT 5
21590 / 21004	DEF AT - - - - -	POS AT 4
21770 / 21153	DEF AT - - - - -	DEF AT 5
21860 / 21227	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 6
21890 / 21252	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF IN 6
21950 / 21302	DEF AT - - - - -	DEF AT 5
22370 / 21650	DEF AT - - - - -	DEF IN 4
22610 / 21853	DEF AT - - - - -	DEF AT 5
23030 / 22212	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
23090 / 22264	DEF AT - - - - -	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23862
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22928
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
23450 / 22572	DEF AT Arenaceous fauna (local marker)	DEF AT 5
23690 / 22779	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
23720 / 22805	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 4
23750 / 22831	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23825 / 22896	DEF AT Arenaceous fauna (local marker)	DEF IN 4
23869 /	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 23870
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 28645
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27167
API Well Number: 608114030502	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 23870 - 28630	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
23870 / 22930	DEF AT first sample examined	DEF IN 4
23930 / 22980	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 4
23980 / 23022	DEF AT Bathysiphon fauna	DEF IN 4
24160 / 23171	DEF AT - - - - -	DEF AT 4
24430 / 23395	DEF AT - - - - -	DEF IN 4
24580 / 23521	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 4
24700 / 23623	DEF AT - - - - -	DEF AT 4
25120 / 23986	DEF AT local marker foram increase	DEF AT 5
25180 / 24039	DEF AT transported shelf fauna	DEF AT 5
25210 / 24065	DEF AT - - - - -	DEF AT 4
25720 / 24514	DEF AT Bathysiphon fauna	DEF AT 4
25810 / 24593	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
26050 / 24807	DEF AT reworked material	DEF AT 4
26230 / 24969	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
26349 / 25076	DEF AT Arenaceous fauna (local marker)	DEF IN 4
26350 / 25077	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF IN 4
26410 / 25130	DEF AT transported shelf fauna	DEF IN 4
26589 / 25291	DEF AT Arenaceous fauna (local marker)	DEF IN 4
26590 / 25292	DEF AT local marker planktic foram increase	DEF IN 4
26770 / 25452	DEF AT - - - - -	DEF AT 4
27550 / 26152	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
27639 / 26233	DEF AT condensed section	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 23870
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 28645
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 27167
API Well Number: 608114030502	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 23870 - 28630	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
27640 / 26234	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
27790 / 26371	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
27940 / 26508	DEF AT local marker planktic foram increase	DEF AT 5
28120 / 26674	DEF AT - - - - -	DEF AT 4
28330 / 26870	DEF AT transported shelf fauna	DEF AT 4
28390 / 26926	DEF AT transported shelf fauna	DEF AT 4
28630 / 27153	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 737	Date of Summary: 03-OCT-2000	First Sample Examined: 0
Lease Number: G21224	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11940
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11924
API Well Number: 608114028200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 63
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 4415
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
6800 / 6800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9500 / 9492	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9620 / 9611	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT
9740 / 9730	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9799 / 9789	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9800 / 9790	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
10039 / 10028	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
10040 / 10029	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10099 / 10088	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10100 / 10089	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
10151 / 10140	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10152 / 10141	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
10160 / 10149	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-JUL-2000	First Sample Examined: 9300
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 17194
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16972
API Well Number: 608114027700	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 9300 - 17194	Water Depth: 6675
Public Info Code: Y 23-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 17080=Discoaster petaliformis acme, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9300 / 9300	DEF AT first sample examined	DEF AT
9301 / 9301	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
9420 / 9420	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa omega	DEF AT
9479 / 9479	DEF AT condensed section	DEF AT
9480 / 9480	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
9570 / 9570	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
9660 / 9660	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
10530 / 10530	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
12960 / 12959	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
12961 / 12960	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
12990 / 12989	DEF AT reworked material	DEF AT
13050 / 13049	DEF AT reworked material	DEF AT
13230 / 13229	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa (increase)	DEF AT
13350 / 13349	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13500 / 13499	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13501 / 13500	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
14220 / 14200	DEF AT reworked material	DEF AT
14250 / 14228	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
14280 / 14256	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
14460 / 14423	POS AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
14789 / 14728	POS AT unconformity	DEF AT
14790 / 14729	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-JUL-2000	First Sample Examined: 9300
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 17194
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16972
API Well Number: 608114027700	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 9300 - 17194	Water Depth: 6675
Public Info Code: Y 23-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
14820 / 14756	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
14879 / 14810	POS AT unconformity	DEF AT
14880 / 14811	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
15029 / 14948	POS AT unconformity	DEF AT
15030 / 14949	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
15031 / 14950	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
15032 / 14951	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15570 / 15445	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15571 / 15446	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
15572 / 15447	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
15573 / 15448	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
15574 / 15449	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
15780 / 15640	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
15781 / 15641	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
16290 / 16118	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16800 / 16599	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16801 / 16600	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
17080 / 16865	DEF AT local marker floral increase	DEF AT
17140 / 16921	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
17170 / 16950	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-AUG-2000	First Sample Examined: 9300
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 17194
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16972
API Well Number: 608114027700	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 9300 - 17194	Water Depth: 6675
Public Info Code: Y 23-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9300 / 9300	DEF AT first sample examined	DEF AT 4
9330 / 9330	POS IN Holocene Globorotalia inflata	DEF AT 4
9570 / 9570	DEF AT local marker foram increase	DEF AT 4
9660 / 9660	DEF AT local marker planktic foram increase	DEF IN 5
9780 / 9780	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9900 / 9900	DEF AT - - - - -	DEF AT 4
10530 / 10530	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10980 / 10980	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
11220 / 11220	DEF AT local marker foram decrease	DEF AT 4
12030 / 12030	DEF AT - - - - -	POS AT 4
12510 / 12510	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	POS AT 4
12930 / 12929	DEF AT local marker deep water fauna	DEF IN 4
13050 / 13049	DEF AT reworked material	DEF IN 4
13830 / 13826	DEF AT local marker benthic foram increase	DEF AT 5
14010 / 14000	DEF AT - - - - -	DEF IN 4
14250 / 14228	DEF AT - - - - -	POS IN 4
14430 / 14395	DEF AT - - - - -	DEF AT 4
15030 / 14949	DEF AT reworked material	DEF IN 4
15210 / 15114	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15270 / 15169	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
15390 / 15279	DEF AT reworked material	DEF IN 4
15570 / 15445	DEF AT local marker planktic foram increase	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-AUG-2000	First Sample Examined: 9300
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 17194
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16972
API Well Number: 608114027700	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 9300 - 17194	Water Depth: 6675
Public Info Code: Y 23-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15690 / 15557	DEF AT - - - - -	POS IN 4
15810 / 15668	DEF AT - - - - -	DEF AT 4
15870 / 15724	DEF AT reworked material	DEF AT 4
16139 / 15976	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
16140 / 15977	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
16200 / 16033	DEF AT - - - - -	DEF AT 4
16500 / 16316	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
16780 / 16580	DEF AT local marker foram increase	DEF AT 4
17040 / 16827	DEF AT limestone	DEF AT 4
17194 / 16972	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-AUG-2000	First Sample Examined: 16960
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18448
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18150
API Well Number: 608114027701	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 15880 - 18445	Water Depth: 6675
Public Info Code: Y 20-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16960 / 16755	DEF AT first sample examined	DEF AT
16961 / 16756	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17080 / 16868	DEF AT local marker floral increase	DEF AT
17170 / 16952	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
17320 / 17093	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
17440 / 17205	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
17720 / 17466	DEF AT local marker floral increase	DEF AT
17870 / 17606	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
18070 / 17794	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
18110 / 17831	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
18190 / 17907	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18260 / 17973	DEF AT Lower Miocene (Aquitania) Cyclocargolithus abisectus	DEF AT
18290 / 18001	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
18291 / 18002	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
18410 / 18114	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
18440 / 18142	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-AUG-2000	First Sample Examined: 17000
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 18448
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18150
API Well Number: 608114027701	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 15880 - 18445	Water Depth: 6675
Public Info Code: Y 20-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 17900=Glomospira charoides pulse, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17000 / 16793	DEF AT first sample examined	DEF AT 4
17001 / 16794	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 4
17050 / 16840	DEF AT limestone	DEF IN 4
17199 / 16980	POS IN Middle Miocene (Serravallian) Cibicides barnetti	DEF AT 4
17200 / 16981	POS IN Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
17230 / 17009	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
17510 / 17270	DEF AT local marker foram decrease	POS AT 4
17780 / 17522	DEF AT Bathysiphon fauna	DEF AT 4
17900 / 17634	DEF AT local marker benthic foram increase	DEF AT 4
18040 / 17766	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 4
18260 / 17973	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
18445 / 18147	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-OCT-2000	First Sample Examined: 11420
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 20970
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19367
API Well Number: 608114027702	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 11420 - 20970	Water Depth: 6675
Public Info Code: Y 04-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11420 / 11420	DEF AT first sample examined	DEF AT
11780 / 11780	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
13040 / 12952	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
13160 / 13051	DEF AT reworked material	DEF AT
13670 / 13463	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
13760 / 13536	DEF AT reworked material	DEF AT
13820 / 13585	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
14660 / 14265	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
14810 / 14387	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
14811 / 14388	DEF AT Middle Pleistocene (Ionian) Pseudoemiliania lacunosa (acme)	DEF AT
14812 / 14389	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
15200 / 14706	POS AT unconformity	DEF AT
15230 / 14730	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15231 / 14731	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
15290 / 14778	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
15320 / 14802	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
15379 / 14850	POS AT unconformity	DEF AT
15380 / 14851	DEF AT Lower Pliocene (Zanclean) Dictyococcites antarcticus	DEF AT
15470 / 14923	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15920 / 15284	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16250 / 15551	DEF IN Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
16610 / 15841	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 743	Date of Summary: 01-OCT-2000	First Sample Examined: 11420
Lease Number: G15607	Source of Paleo: OPERATOR	Borehole MD: 20970
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 19367
API Well Number: 608114027702	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 11420 - 20970	Water Depth: 6675
Public Info Code: Y 04-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16611 / 15842	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16612 / 15843	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyre	DEF AT
16613 / 15844	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
16850 / 16036	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
17990 / 16952	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
18480 / 17348	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18900 / 17689	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19460 / 18142	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
19880 / 18482	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
20150 / 18703	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
20570 / 19046	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
20780 / 19215	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
20900 / 19311	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
20901 / 19312	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
20930 / 19335	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
20931 / 19336	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
20932 / 19337	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
20960 / 19359	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 782	Date of Summary: 15-JAN-2000	First Sample Examined: 7060
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 20268
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 20256
API Well Number: 608114026100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 7060 - 20268	Water Depth: 4423
Public Info Code: Y 20-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Mad Dog Prospect, company-integrated foram and nanno report, 16870=rare Gyroidina scalata

MD / TVD	Paleo Top Description	Ecozone
7060 / 7060	DEF AT first sample examined	POS AT 5
7420 / 7420	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	POS AT 5
8080 / 8080	DEF AT - - - - -	POS AT 5
8379 / 8379	POS AT reworked material	POS AT 5
8380 / 8380	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 5
8980 / 8979	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	POS AT 5
9039 / 9038	DEF AT reworked material	POS AT 5
9040 / 9039	POS AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 5
9160 / 9159	DEF AT - - - - -	DEF AT 5
9220 / 9219	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
9850 / 9849	DEF AT - - - - -	DEF AT 6
10090 / 10089	DEF AT - - - - -	POS AT 6
10420 / 10419	DEF AT salt	POS AT 6
14650 / 14647	DEF AT sample gap top	POS AT 6
15205 / 15202	DEF AT sample gap bottom	DEF AT 6
15360 / 15357	DEF AT base of salt	DEF AT 6
15403 / 15400	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
15410 / 15407	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 6
15460 / 15457	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 6
15550 / 15547	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
15775 / 15772	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
15850 / 15847	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 782	Date of Summary: 15-JAN-2000	First Sample Examined: 7060
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 20268
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 20256
API Well Number: 608114026100	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 7060 - 20268	Water Depth: 4423
Public Info Code: Y 20-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16630 / 16627	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 5
16675 / 16672	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF IN 5
16705 / 16702	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF IN 5
16816 / 16812	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
16870 / 16866	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF IN 5
16890 / 16886	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF IN 5
17265 / 17261	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
17760 / 17756	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 5
17761 / 17757	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF IN 5
18360 / 18355	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
18780 / 18773	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
18781 / 18774	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
18840 / 18833	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
19110 / 19101	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
19500 / 19490	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
19920 / 19909	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 5
19921 / 19910	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF IN 5
19979 / 19968	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
20268 / 20256	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 782	Date of Summary: 03-FEB-2000	First Sample Examined: 18150
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 21560
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 20974
API Well Number: 608114026102	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 18150 - 21560	Water Depth: 4423
Public Info Code: Y 27-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Mad Dog Prospect, company-integrated foram and nanno report, no paleo received for sidetrack 1

MD / TVD	Paleo Top Description	Ecozone
18150 / 18135	DEF AT first sample examined	POS IN 5
18510 / 18475	DEF AT - - - - -	POS IN 5
18570 / 18530	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyre	POS IN 5
18810 / 18744	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS IN 5
19410 / 19199	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
19440 / 19222	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
19950 / 19625	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
19980 / 19649	DEF AT - - - - -	POS IN 5
20790 / 20315	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS IN 5
20880 / 20392	DEF AT - - - - -	DEF AT 6
20970 / 20469	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
21150 / 20623	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
21180 / 20648	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
21240 / 20700	DEF AT - - - - -	POS AT 6
21300 / 20751	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 6
21510 / 20931	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	POS AT 6
21560 / 20974	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 783	Date of Summary: 01-JUN-2001	First Sample Examined: 15850
Lease Number: G15610	Source of Paleo: OPERATOR	Borehole MD: 22427
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 20763
API Well Number: 608114028501	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15850 - 22420	Water Depth: 4317
Public Info Code: Y 31-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15850 / 15832	DEF AT first sample examined	POS IN 5
16150 / 16131	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradius	POS IN 5
16210 / 16191	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS IN 5
16480 / 16457	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS IN 5
16870 / 16828	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS IN 5
17260 / 17172	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS IN 5
19600 / 18780	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS IN 5
20080 / 19110	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS IN 5
20110 / 19130	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS IN 5
21190 / 19872	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS IN 5
21730 / 20253	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	POS IN 5
21760 / 20275	DEF AT Lower Miocene (Burdigalian) Discoaster callosus (increase)	POS IN 5
22419 / 20757	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5
22420 / 20758	DEF AT last sample examined	POS IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 783	Date of Summary: 01-JUN-2001	First Sample Examined: 7035
Lease Number: G15611	Source of Paleo: OPERATOR	Borehole MD: 21810
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21788
API Well Number: 608114028500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7035 - 21810	Water Depth: 4317
Public Info Code: Y 01-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7035 / 7035	DEF AT first sample examined	DEF AT
7036 / 7036	DEF AT reworked material	DEF AT
7990 / 7989	DEF AT salt	DEF AT
15079 / 15064	DEF AT base of salt	DEF AT
15080 / 15065	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 5
15490 / 15472	DEF AT - - - - -	DEF AT 4
15760 / 15742	DEF AT - - - - -	POS AT 4
15910 / 15891	DEF AT - - - - -	DEF AT 5
16030 / 16011	DEF AT - - - - -	DEF AT 4
16120 / 16101	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
16210 / 16191	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 4
16240 / 16221	DEF AT Upper Miocene (Tortonian) Discoaster bollii	POS AT 4
16390 / 16371	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS AT 4
16930 / 16911	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS AT 4
17200 / 17181	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	POS AT 4
17410 / 17391	DEF AT - - - - -	DEF AT 4
18310 / 18291	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 4
18790 / 18771	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
18820 / 18801	DEF AT - - - - -	DEF AT 4
19150 / 19130	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 4
19570 / 19550	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 4
19660 / 19640	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 783	Date of Summary: 01-JUN-2001	First Sample Examined: 7035
Lease Number: G15611	Source of Paleo: OPERATOR	Borehole MD: 21810
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21788
API Well Number: 608114028500	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7035 - 21810	Water Depth: 4317
Public Info Code: Y 01-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19720 / 19700	DEF AT - - - - -	DEF AT 5
19750 / 19730	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
19780 / 19760	DEF AT - - - - -	DEF AT 4
20440 / 20419	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
20860 / 20839	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
21040 / 21019	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnites	DEF AT 4
21100 / 21079	DEF AT Lower Miocene (Burdigalian) Discoaster callosus (increase)	DEF AT 4
21700 / 21678	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
21760 / 21738	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
21810 / 21788	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 07-OCT-2003	First Sample Examined: 14066
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 14660
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14658
API Well Number: 608114038400	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14066 - 14610	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Puma Prospect, company-integrated foram and nanno report, from 14160 to 14370, microfossils indicate redeposited Eocene to Lower middle Miocene, complicating interpretations, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14066 / 14064	DEF AT first sample examined	DEF AT
14067 / 14065	DEF IN Upper (Late) Paleocene	DEF AT
14158 / 14156	DEF AT reworked material	DEF AT
14159 / 14157	POS AT Miocene	DEF AT
14160 / 14158	DEF AT local marker foram increase	DEF AT
14190 / 14188	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14310 / 14308	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14370 / 14368	DEF AT reworked material	DEF AT
14488 / 14486	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14489 / 14487	DEF AT Arenaceous fauna (local marker)	DEF AT
14490 / 14488	DEF AT local marker planktic foram increase	DEF AT
14520 / 14518	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
14610 / 14608	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 06-NOV-2003	First Sample Examined: 14060
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 19034
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19022
API Well Number: 608114038402	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14060 - 19035	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Puma Prospect, company-integrated forum and nanno report, forum and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14060 / 14057	DEF AT first sample examined	DEF AT
14061 / 14058	DEF AT out-of-place section	DEF AT
14180 / 14176	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14330 / 14325	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14570 / 14564	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
14599 / 14593	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
14600 / 14594	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15110 / 15103	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16040 / 16032	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
16400 / 16392	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17300 / 17292	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17301 / 17293	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
18020 / 18011	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
18170 / 18161	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18348 / 18338	POS AT reworked material	DEF AT
18349 / 18339	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18350 / 18340	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
18620 / 18610	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
18650 / 18640	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18709 / 18699	DEF AT reworked material	DEF AT
18710 / 18700	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 06-NOV-2003	First Sample Examined: 14060
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 19034
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 19022
API Well Number: 608114038402	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14060 - 19035	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18740 / 18730	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
18741 / 18731	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
18830 / 18819	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
18860 / 18849	DEF AT local marker benthic foram increase	DEF AT
18890 / 18879	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT
18920 / 18909	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
19035 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 18-NOV-2003	First Sample Examined: 15010
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 18677
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18491
API Well Number: 608114038403	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 15010 - 18676	Water Depth: 4129
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15010 / 14990	DEF AT first sample examined	DEF AT
15011 / 14991	DEF AT reworked material	DEF AT
15220 / 15191	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16000 / 15940	DEF AT reworked material	DEF AT
17019 / 16912	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17020 / 16913	DEF AT local marker planktic foram increase	DEF AT
18110 / 17943	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18430 / 18250	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
18530 / 18346	DEF AT local marker planktic foram increase	DEF AT
18640 / 18451	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
18670 / 18480	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
18671 / 18481	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	DEF AT
18672 / 18482	POS AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
18676 / 18486	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block:	GC 823	Date of Summary:	27-DEC-2003	First Sample Examined:	14530
Lease Number:	G16808	Source of Paleo:	OPERATOR	Borehole MD:	20044
Well Name:	001	Paleo Done By:	OPERATOR	Borehole TVD:	19766
API Well Number:	608114038404	Drilling Operator:	BP EXPLORATION & PRODUCTION INC	Rkb Elevation:	88
Paleo Report Num:	1 of 1	Sample Range:	14530 - 20044	Water Depth:	4129
Public Info Code:	Y 29-JUL-2009	Ecozone Eq MMS:		Paleo ID:	001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14530 / 14524	DEF AT first sample examined	DEF AT
14531 / 14525	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14590 / 14584	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
14710 / 14703	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15872 / 15853	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
16090 / 16065	DEF AT reworked material	DEF AT
16540 / 16483	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
17740 / 17542	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18369 / 18139	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18370 / 18140	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
18880 / 18620	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
18909 / 18648	DEF AT reworked material	DEF AT
18910 / 18649	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
19330 / 19057	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
19360 / 19087	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19750 / 19473	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challengerii	DEF AT
19900 / 19623	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
19960 / 19683	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
19989 / 19712	DEF AT local marker floral increase	DEF AT
19990 / 19713	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT
20020 / 19743	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
20044 / 19767	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 10-FEB-2009	First Sample Examined: 17670
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 23200
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23165
API Well Number: 608114052500	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17670 - 23200	Water Depth: 4216
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Puma 4 Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17670 / 17639	DEF AT first sample examined	DEF AT
17671 / 17640	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17672 / 17641	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17750 / 17719	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17780 / 17749	DEF AT local marker floral decrease	DEF AT
17800 / 17769	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
17810 / 17779	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
17820 / 17789	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
17899 / 17868	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17900 / 17869	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
17980 / 17949	DEF AT reworked material	DEF AT
18010 / 17979	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
18280 / 18249	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18340 / 18309	DEF AT local marker floral increase	DEF AT
18460 / 18429	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18520 / 18489	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
18740 / 18709	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18780 / 18749	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
18960 / 18929	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19110 / 19079	POS AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
19330 / 19299	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 10-FEB-2009	First Sample Examined: 17670
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 23200
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23165
API Well Number: 608114052500	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17670 - 23200	Water Depth: 4216
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19440 / 19409	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19500 / 19469	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
19558 / 19527	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19559 / 19528	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
19560 / 19529	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT
19650 / 19619	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT
19710 / 19679	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
19948 / 19917	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT
19949 / 19918	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
19950 / 19919	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20010 / 19979	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20369 / 20338	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
20370 / 20339	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
20460 / 20429	DEF AT local marker foram decrease	DEF AT
20850 / 20819	DEF AT local marker floral increase	DEF AT
20939 / 20908	DEF AT Bathysiphon fauna	DEF AT
20940 / 20909	DEF AT local marker planktic foram increase	DEF AT
21030 / 20999	DEF AT reworked material	DEF AT
21060 / 21029	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT
21210 / 21178	DEF AT local marker floral increase	DEF AT
21540 / 21508	DEF AT Bathysiphon fauna	DEF AT
21780 / 21748	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21960 / 21928	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22230 / 22198	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 10-FEB-2009	First Sample Examined: 17670
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 23200
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 23165
API Well Number: 608114052500	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 17670 - 23200	Water Depth: 4216
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
22380 / 22347	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
22560 / 22527	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
22590 / 22557	DEF AT Middle Miocene (Langhian) Discoaster calcosus	DEF AT
22620 / 22587	DEF AT reworked material	DEF AT
22768 / 22735	DEF AT Bathysiphon fauna	DEF AT
22769 / 22736	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnoides	DEF AT
22770 / 22737	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
23049 / 23015	DEF AT local marker floral increase	DEF AT
23050 / 23016	DEF AT local marker planktic foram increase	DEF AT
23200 / 23165	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 16-JUN-2009	First Sample Examined: 19310
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 23529
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22562
API Well Number: 608114052501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 19310 - 23529	Water Depth: 4222
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Puma 4 Prospect, company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19310 / 19279	DEF AT first sample examined	DEF AT
19400 / 19369	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
19490 / 19459	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19550 / 19518	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19700 / 19666	DEF AT local marker planktic foram increase	DEF AT
19790 / 19754	DEF AT local marker floral increase	DEF AT
19820 / 19783	DEF AT local marker planktic foram increase	DEF AT
19910 / 19869	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT
19939 / 19896	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT
19940 / 19897	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
20240 / 20169	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
20270 / 20195	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT
20450 / 20343	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20510 / 20391	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT
20540 / 20414	DEF AT Bathysiphon fauna	DEF AT
20570 / 20437	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
20600 / 20460	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT
20630 / 20483	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT
20660 / 20505	DEF AT reworked material	DEF AT
20930 / 20705	DEF AT local marker floral increase	DEF AT
21200 / 20903	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 16-JUN-2009	First Sample Examined: 19310
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 23529
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22562
API Well Number: 608114052501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 19310 - 23529	Water Depth: 4222
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21799 / 21338	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21800 / 21339	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21920 / 21425	DEF AT Bathysiphon fauna	DEF AT
22130 / 21575	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22220 / 21638	DEF AT Bathysiphon fauna	DEF AT
22609 / 21913	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT
22610 / 21913	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT
22699 / 21976	DEF AT Bathysiphon fauna	DEF AT
22700 / 21977	DEF AT local marker planktic foram increase	DEF AT
22759 / 22018	DEF AT Bathysiphon fauna	DEF AT
22760 / 22019	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT
22910 / 22124	DEF AT local marker floral increase	DEF AT
22969 / 22166	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
22970 / 22166	DEF AT local marker planktic foram increase	DEF AT
23120 / 22272	DEF AT local marker floral decrease	DEF AT
23239 / 22357	DEF AT Bathysiphon fauna	DEF AT
23240 / 22357	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23266 / 22376	DEF AT Bathysiphon fauna	DEF AT
23267 / 22376	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT
23268 / 22377	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
23269 / 22378	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
23270 / 22378	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
23330 / 22421	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
23386 / 22460	DEF AT Bathysiphon fauna	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 823	Date of Summary: 16-JUN-2009	First Sample Examined: 19310
Lease Number: G16808	Source of Paleo: OPERATOR	Borehole MD: 23529
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 22562
API Well Number: 608114052501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 19310 - 23529	Water Depth: 4222
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
23387 / 22461	DEF AT Lower Miocene (Aquitanian) Sphenolithus conicus	DEF AT
23388 / 22462	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
23389 / 22463	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
23390 / 22463	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT
23420 / 22485	DEF AT local marker planktic foram increase	DEF AT
23450 / 22506	DEF AT Bathysiphon fauna	DEF AT
23529 / 22562	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 826	Date of Summary: 25-JUN-1998	First Sample Examined: 9120
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 19010
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17584
API Well Number: 608115012800	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9120 - 18960	Water Depth: 6734
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9120 / 9120	DEF AT first sample examined	POS IN 4
9300 / 9300	DEF AT - - - - -	DEF AT 4
9660 / 9660	DEF AT transported outer shelf facies	POS AT 4
9780 / 9780	DEF AT - - - - -	DEF AT 4
9990 / 9990	DEF AT transported outer shelf facies	POS AT 4
10080 / 10080	DEF AT local marker planktic foram increase	DEF AT 4
11460 / 11460	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS AT 4
11520 / 11520	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
12300 / 12277	DEF AT - - - - -	DEF AT 4
12450 / 12414	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
13020 / 12893	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
16110 / 15304	DEF AT - - - - -	DEF AT 4
16290 / 15447	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
16320 / 15471	DEF AT - - - - -	DEF IN 4
16740 / 15799	DEF AT - - - - -	DEF AT 4
16830 / 15869	DEF AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT 4
17430 / 16336	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
17910 / 16708	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
18150 / 16894	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 4
18270 / 16986	DEF AT Upper Miocene (Tortonian) Catina mexicanus	DEF AT 4
18930 / 17517	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 826	Date of Summary: 01-DEC-1998	First Sample Examined: 11000
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 22400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20794
API Well Number: 608115012801	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 22400	Water Depth: 6734
Public Info Code: Y 24-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
11000 / 11000	DEF AT first sample examined	POS AT 4
11660 / 11656	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 4
12170 / 12141	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	POS AT 4
15320 / 14695	DEF AT cement	POS AT 4
16219 / 15409	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	POS AT 4
16220 / 15409	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	POS AT 4
16670 / 15765	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
16730 / 15812	DEF AT - - - - -	DEF IN 4
16790 / 15859	DEF AT - - - - -	POS AT 4
17300 / 16257	DEF AT - - - - -	DEF AT 4
17330 / 16281	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
18230 / 17000	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	POS AT 4
18530 / 17244	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 4
19070 / 17690	POS AT Upper Miocene (Tortonian) Catinaster coalitus	POS AT 4
19190 / 17791	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
19280 / 17868	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 4
19490 / 18046	DEF AT - - - - -	DEF AT 4
19520 / 18072	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 4
19820 / 18333	DEF AT - - - - -	DEF AT 4
20150 / 18627	DEF AT - - - - -	POS AT 4
20470 / 18919	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 4
20540 / 18983	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 826	Date of Summary: 01-DEC-1998	First Sample Examined: 11000
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 22400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20794
API Well Number: 608115012801	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 11000 - 22400	Water Depth: 6734
Public Info Code: Y 24-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20630 / 19067	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 4
20720 / 19152	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
20750 / 19180	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
21020 / 19438	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
21140 / 19553	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
21650 / 20051	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS AT 4
21710 / 20111	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 4
21740 / 20140	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
21890 / 20288	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 4
22000 / 20397	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	POS AT 4
22020 / 20417	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
22280 / 20674	DEF AT Lower Miocene (Aquitania) Discoaster saundersi	POS AT 4
22360 / 20754	DEF AT Upper Oligocene (Chattian) Zyghrablithus bijugatus	POS AT 4
22380 / 20774	DEF IN Upper Oligocene (Chattian) Bolivina perca	POS AT 4
22400 / 20794	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 866	Date of Summary: 27-AUG-2007	First Sample Examined: 14220
Lease Number: G16821	Source of Paleo: OPERATOR	Borehole MD: 22110
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22017
API Well Number: 608114045900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14220 - 22110	Water Depth: 4065
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity tables available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14220 / 14127	DEF AT first sample examined	DEF AT
14221 / 14128	DEF IN bottom of salt	DEF AT
14258 / 14165	POS IN Upper Cretaceous Campanian Stage	DEF AT
14430 / 14337	POS IN Upper Cretaceous Maastrichtian Stage	DEF AT
15680 / 15587	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT
15810 / 15717	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
16200 / 16107	POS AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
16260 / 16167	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
16320 / 16227	DEF AT out-of-place section	DEF AT
16380 / 16287	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
16439 / 16346	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16440 / 16347	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16590 / 16497	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16656 / 16563	DEF AT local marker floral increase	DEF AT
16720 / 16627	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16733 / 16640	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16734 / 16641	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
17250 / 17157	DEF AT local marker floral increase	DEF AT
17610 / 17517	DEF AT Arenaceous fauna (local marker)	DEF AT
17640 / 17547	DEF AT local marker floral increase	DEF AT
17910 / 17817	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
18060 / 17967	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 866	Date of Summary: 27-AUG-2007	First Sample Examined: 14220
Lease Number: G16821	Source of Paleo: OPERATOR	Borehole MD: 22110
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22017
API Well Number: 608114045900	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 14220 - 22110	Water Depth: 4065
Public Info Code: Y 29-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18360 / 18267	DEF AT local marker floral increase	DEF AT
18569 / 18476	DEF AT local marker benthic foram increase	DEF AT
18570 / 18477	DEF AT local marker planktic foram increase	DEF AT
19589 / 19496	DEF AT Bathysiphon fauna	DEF AT
19590 / 19497	DEF AT Arenaceous fauna (local marker)	DEF AT
19770 / 19677	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT
19800 / 19707	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19920 / 19827	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
20160 / 20067	DEF AT local marker foram increase	DEF AT
20910 / 20817	DEF AT Bathysiphon fauna	DEF AT
21029 / 20936	DEF AT local marker floral increase	DEF AT
21030 / 20937	DEF AT local marker planktic foram increase	DEF AT
21060 / 20967	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT
21570 / 21477	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
21690 / 21597	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
21870 / 21777	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
22019 / 21926	DEF AT reworked material	DEF AT
22020 / 21927	DEF AT local marker planktic foram increase	DEF AT
22050 / 21957	DEF AT local marker floral increase	DEF AT
22110 / 22017	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 953	Date of Summary: 02-JAN-2008	First Sample Examined: 18060
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 18060 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18060 / 18059	DEF AT first sample examined	DEF AT
18061 / 18060	DEF IN gouge	DEF AT
18239 / 18238	DEF AT reworked material	DEF AT
18240 / 18239	POS IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18600 / 18599	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
19079 / 19078	DEF AT reworked material	DEF AT
19080 / 19079	DEF AT local marker floral increase	DEF AT
19440 / 19439	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
19740 / 19739	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20310 / 20309	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20610 / 20609	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21060 / 21059	DEF AT reworked material	DEF AT
21116 / 21115	DEF AT unconformity	DEF AT
21117 / 21116	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21118 / 21117	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21119 / 21118	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21120 / 21119	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21150 / 21149	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21179 / 21178	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21180 / 21179	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
21840 / 21839	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
22110 / 22109	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 953	Date of Summary: 02-JAN-2008	First Sample Examined: 18060
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 18060 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22260 / 22259	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
22277 / 22276	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 953	Date of Summary: 01-MAR-2008	First Sample Examined: 18313
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18313 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18313 / 18312	DEF AT first sample examined	POS AT 5
18360 / 18359	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18420 / 18419	POS AT Lower Pliocene (Zanclean) Globigerina druryi / nepenthes "B"	DEF AT 5
18720 / 18719	DEF AT local marker foram decrease	DEF AT 5
19620 / 19619	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
19830 / 19829	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 6
19950 / 19949	DEF AT - - - - -	DEF AT 6
20069 / 20068	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 6
20070 / 20069	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 6
20130 / 20129	DEF AT - - - - -	DEF AT 5
20310 / 20309	DEF AT - - - - -	DEF AT 4
20430 / 20429	DEF AT transported outer shelf facies	DEF AT 4
20549 / 20548	DEF AT Bathysiphon fauna	DEF AT 5
20550 / 20549	DEF AT Arenaceous fauna (local marker)	DEF AT 5
20730 / 20729	DEF AT - - - - -	DEF AT 4
20910 / 20909	DEF AT - - - - -	DEF AT 5
20970 / 20969	DEF AT limestone	DEF AT 5
21029 / 21028	DEF AT unconformity	DEF AT 5
21030 / 21029	DEF AT radiolarians	DEF AT 5
21069 / 21068	POS AT out-of-place section	DEF AT 5
21390 / 21389	POS AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 5
21479 / 21478	DEF AT Arenaceous fauna (local marker)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 953	Date of Summary: 01-MAR-2008	First Sample Examined: 18313
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18313 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
21480 / 21479	POS IN Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
21720 / 21719	DEF AT - - - - -	DEF AT 4
22110 / 22109	DEF AT - - - - -	DEF AT 5
22198 / 22197	POS AT condensed section	DEF AT 5
22199 / 22198	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
22200 / 22199	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
22277 / 22276	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 955	Date of Summary: 09-FEB-2000	First Sample Examined: 8280
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 13420
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13207
API Well Number: 608114027100	Drilling Operator: STATOIL EXPLORATION US INC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 8280 - 13418	Water Depth: 6647
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8280 / 8280	DEF AT first sample examined	POS AT 4
8281 / 8281	POS IN Holocene Globorotalia inflata	POS AT 4
8760 / 8760	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF IN 5
8820 / 8820	DEF AT - - - - -	DEF IN 4
8940 / 8940	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
9090 / 9090	DEF AT local marker planktic foram increase	DEF IN 4
9300 / 9300	DEF AT - - - - -	POS AT 4
9510 / 9510	DEF AT sample gap top	POS AT 4
10410 / 10407	DEF AT sample gap bottom	POS AT 4
11580 / 11530	DEF AT - - - - -	DEF IN 4
11789 / 11722	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
11790 / 11723	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 5
11850 / 11778	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
11910 / 11833	DEF AT - - - - -	DEF IN 4
12330 / 12218	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
12450 / 12327	DEF AT local marker benthic foram increase	DEF IN 4
13348 / 13141	DEF AT local marker planktic foram increase	DEF IN 4
13349 / 13142	DEF AT gypsum	DEF IN 4
13350 / 13143	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
13418 / 13205	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 955	Date of Summary: 12-FEB-2007	First Sample Examined: 19190
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 26536
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26534
API Well Number: 608114047700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 19190 - 26536	Water Depth: 7278
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Sognelfjord Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19190 / 19188	DEF AT first sample examined	DEF IN 3
19280 / 19278	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF IN 3
20120 / 20118	DEF AT - - - - -	DEF AT 4
20480 / 20478	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
20989 / 20987	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
20990 / 20988	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
21020 / 21018	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
21080 / 21078	DEF AT - - - - -	DEF AT 4
21710 / 21708	POS IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
21828 / 21826	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
21829 / 21827	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 4
21830 / 21828	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
22010 / 22008	DEF AT - - - - -	DEF AT 4
22250 / 22248	DEF AT - - - - -	DEF IN 5
22460 / 22458	DEF AT - - - - -	DEF AT 4
22780 / 22778	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 4
24349 / 24347	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	POS AT 4
24350 / 24348	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	POS AT 4
24708 / 24706	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 4
24709 / 24707	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 4
24710 / 24708	POS AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 955	Date of Summary: 12-FEB-2007	First Sample Examined: 19190
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 26536
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26534
API Well Number: 608114047700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 19190 - 26536	Water Depth: 7278
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24740 / 24738	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	POS AT 4
24800 / 24798	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	POS AT 4
24830 / 24828	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS AT 4
24860 / 24858	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	POS AT 4
24949 / 24947	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	POS AT 4
24950 / 24948	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	POS AT 4
25040 / 25038	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	POS AT 4
25129 / 25127	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	POS AT 4
25130 / 25128	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	POS AT 4
25219 / 25217	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	POS AT 4
25220 / 25218	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	POS AT 4
25250 / 25248	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	POS AT 4
25279 / 25277	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	POS AT 4
25280 / 25278	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	POS AT 4
25340 / 25338	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	POS AT 4
25370 / 25368	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	POS AT 4
25460 / 25458	DEF AT radiolarians	POS AT 4
25520 / 25518	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	POS AT 4
26210 / 26208	POS AT Lower Eocene (Ypresian) Toweius crassus	POS AT 4
26330 / 26328	POS AT Upper Paleocene (Thanetian) Toweius eminens	POS AT 4
26536 / 26534	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 955	Date of Summary: 02-APR-2007	First Sample Examined: 19460
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 26758
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25542
API Well Number: 608114047701	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 19460 - 26758	Water Depth: 7278
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Sognelfjord Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description		Ecozone	
19460 / 19190	DEF	AT first sample examined	DEF	IN 5
19570 / 19276	POS	IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF	IN 5
19930 / 19560	POS	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN 5
20589 / 20077	DEF	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	IN 5
20590 / 20078	DEF	AT Upper Miocene (Tortonian) Catinaster calyculus	DEF	IN 5
20860 / 20292	DEF	AT - - - - -	DEF	AT 4
21940 / 21148	POS	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT 4
21970 / 21172	POS	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT 4
22300 / 21432	DEF	AT - - - - -	DEF	AT 5
22780 / 21813	DEF	AT - - - - -	DEF	AT 4
23710 / 22578	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT 4
23980 / 22818	DEF	IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT 4
24280 / 23094	DEF	AT - - - - -	DEF	AT 5
24340 / 23151	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT 5
24910 / 23699	DEF	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT 5
25480 / 24265	POS	IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT 5
25599 / 24384	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT 5
25600 / 24385	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT 5
25780 / 24565	DEF	IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT 5
25809 / 24594	POS	AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF	AT 5
25810 / 24595	POS	AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF	AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GC 955	Date of Summary: 02-APR-2007	First Sample Examined: 19460
Lease Number: G20114	Source of Paleo: OPERATOR	Borehole MD: 26758
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25542
API Well Number: 608114047701	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 19460 - 26758	Water Depth: 7278
Public Info Code: Y 28-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
26590 / 25374	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT 5
26620 / 25404	DEF AT out-of-place section	DEF AT 5
26709 / 25493	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
26710 / 25494	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5
26740 / 25524	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
26758 / 25542	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 20	Date of Summary: 01-NOV-2001	First Sample Examined: 0
Lease Number: G03596	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12535
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12163
API Well Number: 177174043300	Drilling Operator: VASTAR OFFSHORE INC	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 22-FEB-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10500 / 10157	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12500 / 12128	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 41	Date of Summary: 10-MAY-2000	First Sample Examined: 4560
Lease Number: 00130	Source of Paleo: OPERATOR	Borehole MD: 17504
Well Name: 008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17500
API Well Number: 177174042400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 90
Paleo Report Num: 1 of 2	Sample Range: 4560 - 17504	Water Depth: 84
Public Info Code: Y 14-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
4560 / 4560	DEF AT first sample examined	DEF AT 1
4980 / 4980	DEF AT - - - - -	DEF AT 2
5040 / 5040	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 2
7350 / 7349	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
8760 / 8759	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
9210 / 9209	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
10470 / 10469	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
11250 / 11249	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 3
11430 / 11429	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
13260 / 13259	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 4
15570 / 15568	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
16830 / 16826	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
16950 / 16946	DEF AT - - - - -	DEF AT 5
17504 / 17498	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 41	Date of Summary: 30-MAY-2000	First Sample Examined: 4560
Lease Number: 00130	Source of Paleo: OPERATOR	Borehole MD: 17504
Well Name: 008	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17500
API Well Number: 177174042400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 90
Paleo Report Num: 2 of 2	Sample Range: 4560 - 17504	Water Depth: 84
Public Info Code: Y 14-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4560 / 4560	DEF AT first sample examined	DEF AT
4561 / 4561	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8460 / 8459	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9510 / 9509	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11760 / 11759	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13290 / 13289	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16140 / 16137	POS IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16170 / 16167	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17504 / 17498	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 106	Date of Summary: 20-JAN-2006	First Sample Examined: 3970
Lease Number: G24997	Source of Paleo: OPERATOR	Borehole MD: 25860
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 23073
API Well Number: 177184010800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3970 - 25860	Water Depth: 347
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3970 / 3969	DEF AT first sample examined	DEF AT 6
4090 / 4089	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
7140 / 7049	POS AT salt	DEF AT 6
14249 / 12839	POS AT base of salt	DEF AT 6
14250 / 12840	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
14400 / 12967	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
14430 / 12992	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
14970 / 13458	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
15690 / 14091	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
16110 / 14461	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
17070 / 15311	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
17520 / 15712	DEF IN Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 6
18780 / 16832	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
19350 / 17342	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
19530 / 17507	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
20220 / 18144	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
20669 / 18556	POS AT reworked material	DEF AT 6
20670 / 18557	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
21540 / 19318	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
21600 / 19368	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
21780 / 19516	DEF AT local marker floral increase	DEF AT 6
22230 / 19875	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 106	Date of Summary: 20-JAN-2006	First Sample Examined: 3970
Lease Number: G24997	Source of Paleo: OPERATOR	Borehole MD: 25860
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 23073
API Well Number: 177184010800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3970 - 25860	Water Depth: 347
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
22320 / 19944	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
23550 / 20920	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
23940 / 21263	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
24120 / 21426	DEF AT local marker floral increase	DEF AT 6
24270 / 21563	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyre	DEF AT 6
24750 / 22014	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
25860 / 23073	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 111	Date of Summary: 17-NOV-2000	First Sample Examined: 15620
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 21269
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19580
API Well Number: 177184009801	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15620 - 21269	Water Depth: 320
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15620 / 15205	DEF AT first sample examined	DEF AT
15621 / 15206	DEF AT out-of-place section	DEF AT
15710 / 15278	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15830 / 15376	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
16760 / 16111	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16761 / 16111	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17540 / 16705	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18980 / 17822	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20030 / 18633	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21269 / 19612	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 111	Date of Summary: 17-NOV-2000	First Sample Examined: 15620
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 21269
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19580
API Well Number: 177184009801	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 15620 - 21269	Water Depth: 320
Public Info Code: Y 03-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15620 / 15205	DEF AT first sample examined	DEF AT 5
15621 / 15206	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
16790 / 16134	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
17600 / 16751	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 4
18320 / 17310	DEF AT faunal change (no faunal increase)	DEF AT 5
20030 / 18633	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
20060 / 18656	DEF AT faunal change (no faunal increase)	DEF IN 5
20300 / 18846	DEF AT faunal change (no faunal increase)	DEF AT 5
21269 / 19612	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 20-APR-1999	First Sample Examined: 3800
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 21540
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20601
API Well Number: 177184008900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 3800 - 21540	Water Depth: 323
Public Info Code: Y 19-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3800 / 3799	DEF AT first sample examined	DEF AT 4
6350 / 6295	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6470 / 6410	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
6500 / 6439	DEF AT anhydrite	POS AT 5
6560 / 6496	DEF AT salt	POS AT 5
15470 / 15051	DEF AT base of salt	POS AT 5
15650 / 15223	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
18800 / 18202	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
21290 / 20385	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
21540 / 20601	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 20-APR-1999	First Sample Examined: 3800
Lease Number: G13943	Source of Paleo: OPERATOR	Borehole MD: 21540
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20601
API Well Number: 177184008900	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 3800 - 21540	Water Depth: 323
Public Info Code: Y 19-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 15470=out of salt - mixed late and middle Miocene, 15950=Discoaster prepentaradiatus - questionably in a normal stratigraphic section - may be part of a mixed allochthonous flora as indicated at 15470, the 15950 to 16160 contains rare but consistent occurrences of Discoaster prepentaradiatus and no older flora, the sidewall core sample at 16300 contains abundant flora with Catinaster mexicanus and Discoaster loeblichii - this is the youngest well-defined flora below the salt and may mark the top of a normal age section - the interval above this, below the jumbled zone, appears to be part of a reverse or overturned section that is defined by progressively younger nannos downsection, Catinaster coalitus (15800), Discoaster bollii (15890) and Discoaster prepentaradiatus (15950), 17100=significant reoccurrence of Discoaster prepentaradiatus which should define the 780my maximum flooding surface, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3800 / 3799	DEF AT first sample examined	DEF AT
5780 / 5746	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6020 / 5978	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6230 / 6180	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6320 / 6266	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
6410 / 6352	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT
6500 / 6439	DEF AT salt	DEF AT
15470 / 15051	DEF AT base of salt	DEF AT
15950 / 15513	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16300 / 15850	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17100 / 16614	DEF AT condensed section	DEF AT
17750 / 17222	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18830 / 18230	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19400 / 18754	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20870 / 20025	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21540 / 20601	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 16-OCT-1998	First Sample Examined: 3800
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21600
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21600
API Well Number: 177184008700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 3800 - 21600	Water Depth: 323
Public Info Code: Y 03-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3800 / 3800	DEF AT first sample examined	DEF AT 4
5150 / 5150	DEF AT - - - - -	DEF AT 5
5990 / 5990	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6320 / 6320	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6530 / 6530	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6590 / 6590	DEF AT - - - - -	DEF AT 6
6650 / 6650	DEF AT salt	DEF AT 6
6800 / 6800	DEF AT sample gap top	POS AT 6
14000 / 13990	DEF AT sample gap bottom	DEF AT 6
14540 / 14530	DEF AT base of salt	DEF AT 6
14690 / 14679	DEF AT - - - - -	DEF AT 5
17180 / 17168	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
19070 / 19058	DEF AT Upper Miocene (Tortonian) Bolivina thalmanii	DEF AT 5
19190 / 19178	DEF AT local marker deep water fauna	DEF AT 5
21600 / 21587	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 16-OCT-1998	First Sample Examined: 3800
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21600
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21600
API Well Number: 177184008700	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 3800 - 21600	Water Depth: 323
Public Info Code: Y 03-NOV-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 14540=consistent development of Discoaster bollii within the jumbled zone below salt, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3800 / 3800	DEF AT first sample examined	DEF AT
5450 / 5450	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5870 / 5870	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6170 / 6170	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6320 / 6320	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6470 / 6470	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
6770 / 6770	DEF AT salt	DEF AT
8240 / 8236	DEF AT sample gap top	DEF AT
14000 / 13990	DEF AT sample gap bottom	DEF AT
14540 / 14530	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15080 / 15069	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15500 / 15489	DEF AT local marker floral increase	DEF AT
15620 / 15608	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16340 / 16328	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
17180 / 17168	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18590 / 18578	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19550 / 19538	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20300 / 20287	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21600 / 21587	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 07-APR-2000	First Sample Examined: 4370
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21475
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20110
API Well Number: 177184009200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 4370 - 21475	Water Depth: 326
Public Info Code: Y 27-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4370 / 4370	DEF AT first sample examined	DEF AT 4
5150 / 5149	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
6290 / 6282	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6320 / 6312	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6470 / 6458	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6680 / 6662	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6710 / 6691	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
7160 / 7125	DEF AT salt	DEF AT
7280 / 7241	DEF IN salt	DEF AT
15350 / 13999	DEF AT base of salt	DEF AT
15380 / 14029	POS AT out-of-place section	DEF AT
15470 / 14119	DEF AT - - - - -	DEF AT 5
15500 / 14148	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16310 / 14954	DEF AT - - - - -	DEF AT 4
16640 / 15283	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
17240 / 15882	DEF AT - - - - -	DEF AT 5
18620 / 17260	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
20480 / 19117	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
21475 / 20110	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 07-APR-2000	First Sample Examined: 4370
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21475
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20110
API Well Number: 177184009200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4370 - 21475	Water Depth: 326
Public Info Code: Y 27-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4370 / 4370	DEF AT first sample examined	DEF AT
5390 / 5388	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5510 / 5508	DEF AT out-of-place section	DEF AT
5840 / 5837	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6290 / 6282	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6320 / 6312	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6380 / 6370	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6410 / 6400	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6469 / 6457	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6470 / 6458	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
6710 / 6691	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6980 / 6951	DEF AT salt	DEF AT
15320 / 13970	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
15440 / 14089	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
15590 / 14238	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17120 / 15762	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
17300 / 15942	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
17360 / 16002	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
18110 / 16751	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19160 / 17799	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19940 / 18578	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
20540 / 19177	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 07-APR-2000	First Sample Examined: 4370
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 21475
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20110
API Well Number: 177184009200	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 4370 - 21475	Water Depth: 326
Public Info Code: Y 27-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21475 / 20110	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 29-JUN-2000	First Sample Examined: 4270
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 9078
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9051
API Well Number: 177184009500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 4270 - 8890	Water Depth: 323
Public Info Code: Y 01-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4270 / 4270	DEF AT first sample examined	DEF IN 4
5290 / 5289	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
5770 / 5767	DEF AT - - - -	DEF AT 5
5920 / 5916	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6130 / 6125	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6310 / 6303	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6370 / 6363	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6430 / 6422	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
6460 / 6452	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6580 / 6570	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
6850 / 6835	DEF AT salt	DEF IN 5
7150 / 7130	DEF AT salt weld	DEF IN 5
8890 / 8864	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 29-JUN-2000	First Sample Examined: 4270
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 9078
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9051
API Well Number: 177184009500	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 4270 - 8890	Water Depth: 323
Public Info Code: Y 01-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4270 / 4270	DEF AT first sample examined	DEF AT
5830 / 5827	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5920 / 5916	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6130 / 6125	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6400 / 6392	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6430 / 6422	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
6580 / 6570	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
6879 / 6863	DEF AT salt	DEF AT
6880 / 6864	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: GI 116	Date of Summary: 27-JUL-2000	First Sample Examined: 16090
Lease Number: G13944	Source of Paleo: OPERATOR	Borehole MD: 18000
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17392
API Well Number: 177184009501	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 16090 - 18001	Water Depth: 323
Public Info Code: Y 05-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Interim calcareous nannofossil report, tops at 16120, 16150, 16240 and 16600 are oldest age-diagnostic species

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16090 / 15490	DEF AT first sample examined	DEF AT
16091 / 15491	DEF AT base of salt	DEF AT
16120 / 15519	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
16150 / 15549	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16240 / 15637	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
16600 / 15993	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16690 / 16083	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
17230 / 16623	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18001 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 37	Date of Summary: 30-APR-2001	First Sample Examined: 0
Lease Number: G15769	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14400
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14303
API Well Number: 427084051300	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 39
Public Info Code: Y 02-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
6930 / 6930	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9188 / 9101	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9948 / 9852	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11040 / 10943	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
13598 / 13501	DEF IN Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 37	Date of Summary: 11-SEP-2000	First Sample Examined: 0
Lease Number: G15769	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14350
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13951
API Well Number: 427084051700	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 39
Public Info Code: Y 27-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7170 / 6878	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9450 / 9058	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10195 / 9797	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10800 / 10401	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF AT
12090 / 11691	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT
13610 / 13211	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 38	Date of Summary: 14-NOV-2008	First Sample Examined: 11170
Lease Number: G14878	Source of Paleo: OPERATOR	Borehole MD: 14249
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13700
API Well Number: 427104017001	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 11170 - 14250	Water Depth: 38
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
11170 / 10678	DEF AT first sample examined	DEF	AT	3
12190 / 11648	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF	AT	4
12310 / 11766	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF	AT	4
12340 / 11795	POS AT maximum flooding surface	DEF	AT	4
13240 / 12691	POS AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	AT	4
14250 /	DEF AT last sample examined	DEF	AT	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 38	Date of Summary: 14-NOV-2008	First Sample Examined: 14110
Lease Number: G14878	Source of Paleo: OPERATOR	Borehole MD: 15583
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15024
API Well Number: 427104017002	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 14110 - 15580	Water Depth: 41
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
14110 / 13552	DEF AT first sample examined	DEF	AT	4
14111 / 13553	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT	4
14112 / 13554	DEF IN Lower Miocene (Aquitanian) Lenticulina hanseni	DEF	AT	4
14920 / 14362	POS AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF	AT	4
15010 / 14452	POS AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF	AT	4
15580 / 15021	DEF AT last sample examined	DEF	AT	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 39	Date of Summary: 29-AUG-2001	First Sample Examined: 0
Lease Number: G04078	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11905
Well Name: 010	Paleo Done By: OPERATOR	Borehole TVD: 11830
API Well Number: 427104014001	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 39
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9413 / 9349	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9996 / 9927	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 84	Date of Summary: 28-SEP-2001	First Sample Examined: 4500
Lease Number: G18948	Source of Paleo: OPERATOR	Borehole MD: 13900
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13899
API Well Number: 427104014300	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 4500 - 13900	Water Depth: 48
Public Info Code: Y 19-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	DEF AT 2
4501 / 4501	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5250 / 5250	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5710 / 5710	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6290 / 6290	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6560 / 6560	DEF AT - - - -	DEF AT 3
6770 / 6770	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
7130 / 7130	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
8370 / 8370	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
9570 / 9570	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10950 / 10950	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13900 / 13899	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 115	Date of Summary: 02-OCT-2000	First Sample Examined: 0
Lease Number: G18936	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10388
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 9766
API Well Number: 427084052300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 07-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
1810 / 1810	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT
4862 / 4862	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
5594 / 5593	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
6852 / 6847	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7710 / 7659	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8705 / 8474	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 116	Date of Summary: 28-JUL-2001	First Sample Examined: 0
Lease Number: G06156	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16695
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 15008
API Well Number: 427084052000	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 45
Public Info Code: Y 21-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9320 / 9320	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10490 / 10466	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
16520 / 14885	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 116	Date of Summary: 22-OCT-1999	First Sample Examined: 8900
Lease Number: G06156	Source of Paleo: OPERATOR	Borehole MD: 15975
Well Name: B002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13721
API Well Number: 427084049200	Drilling Operator: FOREST OIL CORPORATION	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 8900 - 15975	Water Depth: 45
Public Info Code: Y 12-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
8900 / 8899	DEF AT first sample examined	DEF AT 3
9170 / 9169	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
9980 / 9978	DEF AT - - - - -	DEF AT 2
11020 / 10982	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
13300 / 12291	DEF AT - - - - -	DEF AT 3
15975 / 13693	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 129	Date of Summary: 12-MAR-1998	First Sample Examined: 0
Lease Number: G01848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13990
Well Name: 014	Paleo Done By: OPERATOR	Borehole TVD: 13985
API Well Number: 427104012800	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5520 / 5519	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6780 / 6779	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7500 / 7499	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
7830 / 7829	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9330 / 9329	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
10080 / 10079	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12100 / 12099	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
13450 / 13446	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 129	Date of Summary: 21-JAN-1999	First Sample Examined: 0
Lease Number: G01848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12601
Well Name: 015	Paleo Done By: OPERATOR	Borehole TVD: 11487
API Well Number: 427104013000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 14-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8200 / 7753	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11080 / 10198	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 141	Date of Summary: 17-NOV-1999	First Sample Examined: 0
Lease Number: G14864	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8200
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8200
API Well Number: 427084050000	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 06-NOV-2009	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7277 / 7277	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 141	Date of Summary: 19-MAR-2001	First Sample Examined: 0
Lease Number: G14864	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8420
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7504
API Well Number: 427084053000	Drilling Operator: TDC ENERGY CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 18-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7277 / 6933	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 174	Date of Summary: 01-APR-2002	First Sample Examined: 4000
Lease Number: G17151	Source of Paleo: OPERATOR	Borehole MD: 20034
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16441
API Well Number: 427084055900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 4000 - 20020	Water Depth: 47
Public Info Code: Y 07-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Rachel N Rosen, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4000 / 4000	DEF AT first sample examined	DEF AT 1
4390 / 4389	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
4600 / 4599	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 1
4780 / 4779	DEF AT - - - - -	DEF IN 1
4840 / 4839	DEF AT - - - - -	DEF AT 2
4900 / 4899	DEF AT - - - - -	DEF IN 1
5110 / 5109	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 1
5290 / 5289	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 1
5530 / 5529	DEF AT - - - - -	DEF AT 2
5980 / 5979	DEF AT - - - - -	DEF AT 1
6250 / 6249	DEF AT - - - - -	DEF AT 2
6430 / 6429	DEF AT - - - - -	DEF IN 1
6670 / 6669	DEF AT - - - - -	DEF AT 1
6880 / 6879	DEF AT - - - - -	DEF IN 1
7030 / 7029	DEF AT foram flood	DEF IN 2
7840 / 7839	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 2
8020 / 8019	DEF AT - - - - -	DEF AT 1
8200 / 8199	DEF AT local marker deep water fauna	DEF AT 2
8320 / 8318	DEF AT local marker foram increase	DEF AT 2
8740 / 8738	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 2
9790 / 9786	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 2
9850 / 9846	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 174	Date of Summary: 01-APR-2002	First Sample Examined: 4000
Lease Number: G17151	Source of Paleo: OPERATOR	Borehole MD: 20034
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16441
API Well Number: 427084055900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 4000 - 20020	Water Depth: 47
Public Info Code: Y 07-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9940 / 9936	DEF AT - - - - -	DEF IN 3
10090 / 10085	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 3
10150 / 10145	POS AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 3
10420 / 10409	DEF AT - - - - -	DEF AT 4
10720 / 10694	POS AT Arenaceous fauna (local marker)	DEF AT 4
10880 / 10838	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11590 / 11376	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 4
11680 / 11433	DEF AT - - - - -	DEF IN 3
11690 / 11439	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
11920 / 11571	DEF AT - - - - -	DEF AT 2
12100 / 11654	DEF AT foram flood	DEF AT 2
12160 / 11679	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12580 / 11846	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
12760 / 11923	DEF AT - - - - -	DEF IN 2
13960 / 12592	DEF AT - - - - -	DEF AT 3
14620 / 12993	DEF AT - - - - -	DEF AT 2
15220 / 13364	DEF AT - - - - -	DEF IN 2
16420 / 14121	POS AT fault	DEF IN 2
17380 / 14733	DEF AT - - - - -	DEF AT 3
17710 / 14942	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
19300 / 15952	DEF AT - - - - -	DEF AT 2
20020 / 16432	DEF AT last sample examined	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 175	Date of Summary: 01-MAY-2002	First Sample Examined: 4000
Lease Number: G22238	Source of Paleo: OPERATOR	Borehole MD: 14037
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13279
API Well Number: 427084055601	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4000 - 13950	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4000 / 3999	DEF AT first sample examined	DEF AT 1
4090 / 4089	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 1
4430 / 4429	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 1
4810 / 4808	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 1
4990 / 4987	DEF AT - - - - -	DEF IN 1
5990 / 5985	DEF AT - - - - -	DEF AT 1
7030 / 7025	DEF AT foram flood	DEF IN 1
7200 / 7195	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 1
7440 / 7435	DEF AT - - - - -	DEF AT 1
8430 / 8419	DEF AT - - - - -	DEF AT 2
8460 / 8449	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
8760 / 8746	DEF AT - - - - -	DEF AT 1
9090 / 9074	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
9420 / 9402	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 2
10080 / 10059	DEF AT - - - - -	DEF IN 1
10140 / 10119	DEF AT - - - - -	DEF AT 2
10500 / 10477	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
10710 / 10685	DEF AT local marker planktic foram increase	DEF IN 2
10711 / 10686	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 2
11430 / 11398	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
11760 / 11715	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 2
11820 / 11771	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 175	Date of Summary: 01-MAY-2002	First Sample Examined: 4000
Lease Number: G22238	Source of Paleo: OPERATOR	Borehole MD: 14037
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13279
API Well Number: 427084055601	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 4000 - 13950	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11850 / 11798	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
12030 / 11959	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 2
12390 / 12263	DEF AT - - - - -	DEF AT 1
13320 / 12886	DEF AT - - - - -	DEF IN 1
13950 / 13233	DEF AT last sample examined	DEF IN 1

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 175	Date of Summary: 01-JUN-2002	First Sample Examined: 10300
Lease Number: G22238	Source of Paleo: OPERATOR	Borehole MD: 18854
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15695
API Well Number: 427084055602	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10300 - 18854	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10300 / 10278	DEF AT first sample examined	DEF AT
10330 / 10307	POS IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10360 / 10337	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 3
10510 / 10485	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF IN 3
10690 / 10663	DEF AT local marker planktic foram increase	DEF IN 3
10691 / 10664	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF IN 3
10900 / 10869	DEF AT Eggerella sp. (local marker)	DEF IN 3
11020 / 10985	DEF AT Arenaceous fauna (local marker)	DEF IN 3
11500 / 11424	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
11590 / 11502	DEF AT local marker (general)	DEF IN 3
11880 / 11746	DEF IN Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
11960 / 11812	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 3
12060 / 11895	DEF AT - - - - -	DEF AT 2
12231 / 12033	DEF AT - - - - -	DEF AT 1
12340 / 12120	DEF AT - - - - -	DEF IN 1
12370 / 12143	DEF AT - - - - -	DEF AT 2
12400 / 12167	DEF AT - - - - -	DEF AT 1
13120 / 12673	DEF AT - - - - -	DEF AT 2
13360 / 12829	DEF AT - - - - -	DEF IN 2
13450 / 12885	DEF AT - - - - -	DEF AT 1
14130 / 13278	DEF AT - - - - -	DEF AT 2
14340 / 13393	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 175	Date of Summary: 01-JUN-2002	First Sample Examined: 10300
Lease Number: G22238	Source of Paleo: OPERATOR	Borehole MD: 18854
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15695
API Well Number: 427084055602	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 10300 - 18854	Water Depth: 50
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14970 / 13720	DEF AT -----	DEF AT 2
16350 / 14434	DEF AT -----	DEF AT 1
16830 / 14676	DEF AT -----	DEF AT 2
16920 / 14721	DEF AT -----	DEF IN 2
17190 / 14855	DEF AT -----	DEF AT 3
17520 / 15018	DEF AT local marker (general)	DEF AT 3
18854 / 15696	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 176	Date of Summary: 06-JUN-2000	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17835
Well Name: C006	Paleo Done By: OPERATOR	Borehole TVD: 8887
API Well Number: 427084050800	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 01-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10671 / 5688	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11492 / 6044	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
16594 / 8309	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 176	Date of Summary: 28-JUN-2000	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18028
Well Name: C006	Paleo Done By: OPERATOR	Borehole TVD: 8940
API Well Number: 427084050801	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 10-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10486 / 5705	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
11320 / 6063	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
16732 / 8378	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 176	Date of Summary: 24-OCT-2000	First Sample Examined: 0
Lease Number: G06167	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18378
Well Name: C007	Paleo Done By: OPERATOR	Borehole TVD: 8820
API Well Number: 427084051900	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 54
Public Info Code: Y 10-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9638 / 5744	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
17019 / 8287	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 197	Date of Summary: 08-NOV-2001	First Sample Examined: 0
Lease Number: G22238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14600
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14598
API Well Number: 427084054800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7600 / 7600	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9550 / 9550	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10150 / 10150	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11680 / 11680	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12130 / 12130	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
14260 / 14259	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 202	Date of Summary: 30-DEC-1999	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13493
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13484
API Well Number: 427084049900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7716 / 7716	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8425 / 8425	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
12100 / 12096	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 202	Date of Summary: 15-JAN-2002	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13493
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13484
API Well Number: 427084049900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10990 / 10989	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11315 / 11314	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12100 / 12096	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 202	Date of Summary: 26-JUN-2000	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15749
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14766
API Well Number: 427084050600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7876 / 7716	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8598 / 8341	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10944 / 10427	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
13171 / 12304	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 202	Date of Summary: 15-MAY-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14672
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13322
API Well Number: 427084051500	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7811 / 7810	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8442 / 8441	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10426 / 10354	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12380 / 11727	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 202	Date of Summary: 12-FEB-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13730
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13305
API Well Number: 427084052700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12064 / 11643	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 202	Date of Summary: 26-MAR-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14300
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13206
API Well Number: 427084053101	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9902 / 9900	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11802 / 11626	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 202	Date of Summary: 28-SEP-2000	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8235
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 6400
API Well Number: 427084051400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7435 / 5798	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 206	Date of Summary: 11-APR-2000	First Sample Examined: 8990
Lease Number: G20660	Source of Paleo: OPERATOR	Borehole MD: 11974
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10900
API Well Number: 427084050900	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8990 - 11974	Water Depth: 54
Public Info Code: Y 25-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8990 / 7916	DEF AT first sample examined	DEF AT 2
8991 / 7917	POS IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
9370 / 8296	DEF AT - - - -	DEF AT 3
9700 / 8626	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
10210 / 9136	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
11974 / 10898	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI 206	Date of Summary: 15-MAY-2000	First Sample Examined: 0
Lease Number: G20660	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8996
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 7600
API Well Number: 427084051200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 55
Public Info Code: Y 26-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6694 / 5908	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT
7858 / 6750	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 1	Date of Summary: 06-JAN-2005	First Sample Examined: 7750
Lease Number: G25566	Source of Paleo: OPERATOR	Borehole MD: 16849
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14747
API Well Number: 427084059700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 7750 - 16849	Water Depth: 52
Public Info Code: Y 22-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7750 / 7750	DEF AT first sample examined	DEF AT 3
7780 / 7780	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
8550 / 8550	POS IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
9298 / 9295	POS AT maximum flooding surface	DEF AT 3
9299 / 9296	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
9300 / 9297	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 3
9480 / 9473	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 3
9629 / 9618	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
9630 / 9619	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
9850 / 9831	POS AT maximum flooding surface	DEF AT 4
9960 / 9936	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
10140 / 10105	DEF AT faunal change (no faunal increase)	DEF AT 3
10230 / 10190	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
10290 / 10246	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
10800 / 10717	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
10918 / 10823	POS AT maximum flooding surface	DEF AT 4
10919 / 10823	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF AT 4
10920 / 10824	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
11190 / 11060	POS AT maximum flooding surface	DEF AT 4
11280 / 11136	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
11430 / 11260	DEF AT - - - -	DEF AT 3
11730 / 11500	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 1	Date of Summary: 06-JAN-2005	First Sample Examined: 7750
Lease Number: G25566	Source of Paleo: OPERATOR	Borehole MD: 16849
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14747
API Well Number: 427084059700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 101
Paleo Report Num: 1 of 2	Sample Range: 7750 - 16849	Water Depth: 52
Public Info Code: Y 22-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12450 / 12027	POS AT maximum flooding surface	DEF AT 3
13800 / 12954	POS AT maximum flooding surface	DEF AT 3
14790 / 13540	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 3
14840 / 13568	POS AT maximum flooding surface	DEF AT 3
14880 / 13591	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16770 / 14699	POS AT maximum flooding surface	DEF AT 4
16830 / 14735	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT 4
16849 / 14747	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 1	Date of Summary: 06-JAN-2005	First Sample Examined: 9990
Lease Number: G25566	Source of Paleo: OPERATOR	Borehole MD: 16849
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14747
API Well Number: 427084059700	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 101
Paleo Report Num: 2 of 2	Sample Range: 9990 - 16849	Water Depth: 52
Public Info Code: Y 22-FEB-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9990 / 9964	DEF AT first sample examined	DEF AT
9991 / 9965	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
10530 / 10470	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
10890 / 10798	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
11009 / 10903	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
11010 / 10904	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
11190 / 11060	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11520 / 11333	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
16500 / 14537	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
16849 / 14747	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 7	Date of Summary: 17-SEP-1998	First Sample Examined: 0
Lease Number: G15781	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11110
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11006
API Well Number: 427084047600	Drilling Operator: PERENCO INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 04-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
5105 / 5007	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6825 / 6722	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8927 / 8824	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 7	Date of Summary: 29-NOV-2000	First Sample Examined: 0
Lease Number: G15781	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15242
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13997
API Well Number: 427084052100	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 04-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12695 / 11915	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 7	Date of Summary: 05-JUL-2001	First Sample Examined: 0
Lease Number: G15781	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16580
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15071
API Well Number: 427084053300	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 04-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11825 / 11823	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13556 / 13384	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block:	HI A 119	Date of Summary:	18-JUN-2009	First Sample Examined:	3306
Lease Number:	G26519	Source of Paleo:	OPERATOR	Borehole MD:	28404
Well Name:	001	Paleo Done By:	PALEO-DATA, INC.	Borehole TVD:	28382
API Well Number:	427084062600	Drilling Operator:	BP EXPLORATION & PRODUCTION INC	Rkb Elevation:	148
Paleo Report Num:	1 of 1	Sample Range:	3306 - 28400	Water Depth:	100
Public Info Code:	Y 31-JAN-2010	Ecozone Eq MMS:	Y	Paleo ID:	001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3306 / 3306	DEF AT first sample examined	DEF AT 1
3780 / 3780	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 1
3900 / 3900	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
3960 / 3960	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
4650 / 4650	DEF AT - - - - -	DEF AT 3
4710 / 4710	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 3
5520 / 5520	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
5580 / 5580	POS AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT 3
5700 / 5700	POS IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
6090 / 6090	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF AT 4
6120 / 6120	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
6178 / 6178	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
6179 / 6179	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
6180 / 6180	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
6208 / 6208	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 6
6209 / 6209	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
6210 / 6210	DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri	DEF AT 6
6240 / 6240	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
6270 / 6270	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
6300 / 6300	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
6330 / 6330	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 6
6360 / 6360	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 119
Lease Number: G26519
Well Name: 001
API Well Number: 427084062600
Paleo Report Num: 1 of 1
Public Info Code: Y 31-JAN-2010

Date of Summary: 18-JUN-2009
Source of Paleo: OPERATOR
Paleo Done By: PALEO-DATA, INC.
Drilling Operator: BP EXPLORATION & PRODUCTION INC
Sample Range: 3306 - 28400
Ecozone Eq MMS: Y

First Sample Examined: 3306
Borehole MD: 28404
Borehole TVD: 28382
Rkb Elevation: 148
Water Depth: 100
Paleo ID: 001

MD / TVD	Paleo Top Description		Ecozone	
6450 / 6450	POS	AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT 6
6510 / 6510	DEF	AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF	AT 6
6690 / 6690	DEF	AT Upper Miocene (Messinian) Textularia tatumii	DEF	AT 6
6750 / 6750	DEF	AT Cyclammina cancellata (local marker)	DEF	AT 6
6780 / 6780	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT 6
6900 / 6900	DEF	AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF	AT 6
6930 / 6930	DEF	AT faunal change (no faunal increase)	DEF	AT 5
7230 / 7230	POS	AT Upper Miocene (Messinian) Globorotalia janaei	DEF	AT 5
7440 / 7440	DEF	AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT 5
7830 / 7830	POS	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT 5
8069 / 8069	POS	IN Upper Miocene (Tortonian) Minylitha convallis	DEF	AT 5
8070 / 8070	POS	IN Upper Miocene (Tortonian) Sphaeroidinellopsidis disjuncta	DEF	AT 5
8190 / 8190	DEF	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT 5
8220 / 8220	POS	AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT 5
9150 / 9150	DEF	AT Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF	AT 5
9180 / 9180	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT 5
9240 / 9240	DEF	AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF	AT 5
9270 / 9270	DEF	AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF	AT 5
9810 / 9810	POS	IN Upper Miocene (Tortonian) Discorbis 12	DEF	AT 5
9840 / 9840	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT 5
10020 / 10020	POS	AT Upper Miocene (Tortonian) Discoaster hamatus	DEF	AT 5
10560 / 10560	DEF	AT - - - - -	DEF	AT 4
11100 / 11100	DEF	IN Upper Miocene (Tortonian) Textularia "L"	DEF	AT 4
11250 / 11250	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 119	Date of Summary: 18-JUN-2009	First Sample Examined: 3306
Lease Number: G26519	Source of Paleo: OPERATOR	Borehole MD: 28404
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28382
API Well Number: 427084062600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 3306 - 28400	Water Depth: 100
Public Info Code: Y 31-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description		Ecozone	
11310 / 11310	POS	AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT 5
11520 / 11520	DEF	AT Upper Miocene (Tortonian) Uvigerina 3	DEF	AT 5
11550 / 11550	POS	AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT 5
12540 / 12540	POS	IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF	AT 5
12720 / 12720	POS	IN Middle Miocene (Serravallian) Discoaster kugleri	DEF	AT 5
12870 / 12870	DEF	AT - - - -	DEF	AT 6
13020 / 13020	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT 6
13710 / 13710	POS	AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF	AT 6
13740 / 13740	POS	AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT 6
14250 / 14250	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT 6
14429 / 14429	POS	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT 6
14430 / 14430	POS	AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT 6
14610 / 14610	POS	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT 5
14685 / 14685	DEF	AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT 5
14820 / 14820	DEF	AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF	AT 5
15359 / 15359	DEF	AT Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT 5
15360 / 15360	DEF	AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF	AT 5
15570 / 15570	POS	IN Upper Oligocene (Chattian) Sphenolithus ciperoensis (very rare)	DEF	AT 5
15720 / 15720	DEF	AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF	AT 5
15809 / 15809	POS	AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	AT 5
15810 / 15810	DEF	AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT 5
15870 / 15870	POS	AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF	AT 5
16020 / 16020	POS	AT Upper Oligocene (Chattian) Marginulina texana	DEF	AT 5
16170 / 16170	DEF	AT Upper Oligocene (Chattian) Bolivina mexicana	DEF	AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 119	Date of Summary: 18-JUN-2009	First Sample Examined: 3306
Lease Number: G26519	Source of Paleo: OPERATOR	Borehole MD: 28404
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28382
API Well Number: 427084062600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 3306 - 28400	Water Depth: 100
Public Info Code: Y 31-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16200 / 16200	DEF AT - - - - -	DEF AT 4
16830 / 16830	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF AT 4
16920 / 16920	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 4
17160 / 17160	DEF AT - - - - -	DEF AT 3
18360 / 18360	DEF AT - - - - -	DEF AT 4
19350 / 19350	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 4
19860 / 19859	POS IN Lower Oligocene (Rupelian) Nodosaria blanpiedi	DEF AT 4
20010 / 20009	POS AT local marker floral increase	DEF AT 4
20520 / 20519	DEF AT - - - - -	DEF AT 5
20580 / 20579	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
20610 / 20609	POS IN Lower Oligocene (Rupelian) Anomalina bilateralis	DEF AT 5
20640 / 20639	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
20730 / 20729	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
20790 / 20789	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
20880 / 20879	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
21150 / 21149	DEF AT salt	DEF AT 5
21300 / 21299	DEF AT base of salt	DEF AT 5
21418 / 21417	DEF AT radiolarians	DEF AT 5
21419 / 21418	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 5
21420 / 21419	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5
21480 / 21479	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF AT 5
21510 / 21509	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
21689 / 21688	POS AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT 5
21690 / 21689	POS AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 119	Date of Summary: 18-JUN-2009	First Sample Examined: 3306
Lease Number: G26519	Source of Paleo: OPERATOR	Borehole MD: 28404
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28382
API Well Number: 427084062600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 3306 - 28400	Water Depth: 100
Public Info Code: Y 31-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21720 / 21719	DEF IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
22080 / 22079	DEF AT out-of-place section	DEF AT 5
22650 / 22648	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22710 / 22708	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
22770 / 22768	POS AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 5
23040 / 23037	POS IN Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
23280 / 23276	POS AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT 5
23460 / 23455	POS AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF AT 5
23490 / 23484	POS AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
23520 / 23514	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
23550 / 23544	DEF AT local marker floral increase	DEF AT 5
23610 / 23604	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
23760 / 23753	POS AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 5
23820 / 23812	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
23880 / 23872	POS AT Middle Eocene (Bartonian) Nonionella cockfieldensis	DEF AT 5
24090 / 24081	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 5
24960 / 24946	DEF AT Upper Eocene (Priabonian) Sphenolithus obtusus	DEF AT 5
24999 / 24984	POS AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 5
25000 / 24985	POS AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 5
25229 / 25213	POS IN Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
25230 / 25214	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
25260 / 25244	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 5
25348 / 25332	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF AT 5
25349 / 25333	POS AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 119	Date of Summary: 18-JUN-2009	First Sample Examined: 3306
Lease Number: G26519	Source of Paleo: OPERATOR	Borehole MD: 28404
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28382
API Well Number: 427084062600	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 3306 - 28400	Water Depth: 100
Public Info Code: Y 31-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
25350 / 25334	POS AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 5
25590 / 25573	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT 5
25620 / 25603	DEF AT radiolarians	DEF AT 5
25798 / 25780	DEF AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT 5
25799 / 25781	POS AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 5
25800 / 25782	POS AT Lower Eocene (Ypresian) Acarinina angulosa	DEF AT 5
25830 / 25812	DEF AT Lower Eocene (Ypresian) Morozovella rex / subbotinae	DEF AT 5
25920 / 25901	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
25950 / 25931	DEF AT local marker floral decrease	DEF AT 5
26070 / 26051	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT 5
27330 / 27309	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF AT 5
28400 / 28378	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 382	Date of Summary: 19-AUG-1998	First Sample Examined: 3540
Lease Number: G02393	Source of Paleo: OPERATOR	Borehole MD: 12038
Well Name: F016	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 5812
API Well Number: 427114066805	Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 3540 - 11970	Water Depth: 342
Public Info Code: Y 24-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3540 / 2705	DEF AT first sample examined	DEF AT
3989 / 2821	DEF AT reworked material	DEF AT
3990 / 2821	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
5250 / 3123	DEF AT local marker foram increase	DEF AT
8460 / 3848	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8850 / 3967	DEF AT local marker foram increase	DEF IN 3
8910 / 3988	DEF AT faunal change (no faunal increase)	DEF AT 2
8970 / 4008	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
10140 / 4559	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 2
11970 / 5758	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 382	Date of Summary: 03-APR-1998	First Sample Examined: 5747
Lease Number: G02393	Source of Paleo: OPERATOR	Borehole MD: 8740
Well Name: F023	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 7886
API Well Number: 427114069302	Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 5747 - 8740	Water Depth: 347
Public Info Code: Y 03-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5747 / 5101	DEF AT first sample examined	DEF AT 2
5790 / 5133	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5940 / 5246	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
6210 / 5466	DEF AT local marker foram increase	DEF AT 3
6570 / 5778	DEF AT local marker foram increase	DEF AT 3
6930 / 6102	DEF AT local marker foram increase	DEF AT 3
8740 / 7886	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 415	Date of Summary: 13-APR-1998	First Sample Examined: 0
Lease Number: G15793	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8204
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 7751
API Well Number: 427094104300	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 147
Public Info Code: Y 25-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7104	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 416	Date of Summary: 03-OCT-2001	First Sample Examined: 0
Lease Number: G15794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7451
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6922
API Well Number: 427094101801	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 138
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6950 / 6505	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 416	Date of Summary: 22-SEP-2000	First Sample Examined: 0
Lease Number: G15794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10720
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 7431
API Well Number: 427094109200	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 139
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8659 / 6140	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 416	Date of Summary: 24-JUN-1999	First Sample Examined: 0
Lease Number: G15794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8768
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 7078
API Well Number: 427094106400	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 133
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3400 / 3342	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4100 / 3930	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7050 / 5928	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 416	Date of Summary: 17-DEC-1999	First Sample Examined: 0
Lease Number: G15794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7501
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 7181
API Well Number: 427094106600	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 138
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3150 / 3149	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
4900 / 4891	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6300 / 6145	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 521	Date of Summary: 08-AUG-2001	First Sample Examined: 0
Lease Number: G17190	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6032
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 4852
API Well Number: 427094109000	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 242
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4016 / 3578	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5302 / 4375	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 521	Date of Summary: 09-MAY-2001	First Sample Examined: 0
Lease Number: G17190	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4890
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 4701
API Well Number: 427094109500	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 231
Public Info Code: Y 27-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3801 / 3760	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 554	Date of Summary: 23-OCT-2001	First Sample Examined: 0
Lease Number: G21356	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5950
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 5950
API Well Number: 427094110400	Drilling Operator: CHIEFTAIN INTERNATIONAL US INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 257
Public Info Code: Y 03-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
2950 / 2950	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5504 / 5504	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 568	Date of Summary: 01-JUN-2005	First Sample Examined: 8860
Lease Number: G02716	Source of Paleo: OPERATOR	Borehole MD: 12651
Well Name: A019	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11693
API Well Number: 427094115100	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 8860 - 12610	Water Depth: 271
Public Info Code: Y 29-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8860 / 8307	DEF AT first sample examined	DEF AT 4
8861 / 8308	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
9010 / 8441	DEF AT - - - - -	POS AT 4
9100 / 8521	DEF AT - - - - -	DEF IN 3
9250 / 8656	DEF AT - - - - -	DEF AT 4
9280 / 8683	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
9400 / 8791	DEF AT - - - - -	DEF AT 5
9430 / 8818	DEF AT - - - - -	DEF AT 4
9460 / 8845	DEF AT - - - - -	POS AT 4
9550 / 8926	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 4
9970 / 9302	DEF AT - - - - -	DEF AT 3
10180 / 9490	DEF AT - - - - -	DEF IN 3
10240 / 9544	DEF AT - - - - -	DEF AT 3
10660 / 9923	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
10870 / 10114	DEF AT - - - - -	DEF AT 4
10930 / 10169	DEF AT - - - - -	POS AT 4
10960 / 10196	DEF AT - - - - -	DEF AT 3
11020 / 10251	DEF AT - - - - -	POS IN 2
11200 / 10414	DEF AT - - - - -	POS AT 2
11320 / 10523	DEF AT - - - - -	POS IN 2
11350 / 10550	DEF AT - - - - -	DEF IN 3
11380 / 10577	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 568	Date of Summary: 01-JUN-2005	First Sample Examined: 8860
Lease Number: G02716	Source of Paleo: OPERATOR	Borehole MD: 12651
Well Name: A019	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11693
API Well Number: 427094115100	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 8860 - 12610	Water Depth: 271
Public Info Code: Y 29-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11410 / 10604	DEF AT - - - - -	DEF IN 3
11500 / 10685	DEF AT - - - - -	POS AT 4
11530 / 10712	DEF AT - - - - -	DEF IN 3
12070 / 11192	DEF AT local marker foram increase	DEF IN 3
12230 / 11332	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 3
12340 / 11428	DEF AT - - - - -	POS AT 4
12370 / 11454	DEF AT - - - - -	DEF AT 4
12400 / 11480	DEF AT - - - - -	POS AT 4
12430 / 11505	DEF AT - - - - -	DEF AT 4
12460 / 11531	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12520 / 11582	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12550 / 11608	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
12610 / 11658	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 568	Date of Summary: 02-JUN-2005	First Sample Examined: 7990
Lease Number: G25599	Source of Paleo: OPERATOR	Borehole MD: 12445
Well Name: A018	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 10353
API Well Number: 427094114800	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 7990 - 12430	Water Depth: 271
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7990 / 6703	DEF AT first sample examined	DEF IN 3
7991 / 6704	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8050 / 6751	DEF AT - - - - -	POS AT 4
8120 / 6807	DEF AT - - - - -	DEF IN 3
8260 / 6917	DEF AT - - - - -	POS AT 4
8560 / 7160	DEF AT - - - - -	DEF AT 3
8770 / 7326	DEF AT - - - - -	POS AT 3
8890 / 7419	POS AT local marker foram increase	DEF IN 3
9070 / 7557	DEF AT local marker foram increase	POS AT 4
9190 / 7650	DEF AT - - - - -	DEF IN 3
10090 / 8393	DEF AT local marker foram increase	POS AT 4
10180 / 8469	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	POS AT 4
10240 / 8520	DEF AT - - - - -	DEF IN 3
10360 / 8622	DEF AT - - - - -	POS AT 4
10390 / 8648	DEF AT - - - - -	DEF IN 3
10720 / 8928	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	POS AT 4
10840 / 9028	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
11080 / 9227	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11200 / 9328	DEF AT - - - - -	DEF AT 3
11410 / 9502	DEF AT - - - - -	POS AT 4
12430 / 10343	DEF AT last sample examined	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 569	Date of Summary: 16-AUG-2005	First Sample Examined: 7980
Lease Number: G25599	Source of Paleo: OPERATOR	Borehole MD: 10238
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 10238
API Well Number: 427094115200	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 7980 - 10238	Water Depth: 271
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7980 / 7979	DEF AT first sample examined	DEF AT 2
7981 / 7980	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
8370 / 8369	POS AT local marker foram increase	DEF AT 3
8430 / 8429	DEF AT - - - - -	DEF IN 2
8490 / 8489	DEF AT local marker foram increase	DEF AT 3
8550 / 8549	DEF AT - - - - -	DEF IN 2
8670 / 8669	DEF AT - - - - -	DEF AT 3
8730 / 8729	DEF AT local marker benthic foram increase	POS AT 4
8790 / 8789	DEF AT - - - - -	DEF IN 3
8940 / 8939	DEF AT - - - - -	POS AT 4
8970 / 8969	DEF AT - - - - -	DEF IN 3
9120 / 9119	DEF AT - - - - -	DEF AT 3
9150 / 9149	DEF AT local marker planktic foram increase	DEF AT 3
9180 / 9179	DEF AT - - - - -	DEF IN 2
9240 / 9239	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
9300 / 9299	DEF AT - - - - -	DEF IN 2
9360 / 9359	DEF AT - - - - -	DEF AT 2
9420 / 9419	DEF AT - - - - -	DEF IN 2
9570 / 9569	DEF AT - - - - -	POS AT 4
9630 / 9629	DEF AT - - - - -	DEF IN 3
9669 / 9668	DEF AT Lower Pleistocene (Calabrian) Globorotalia tosaensis tosaensis	DEF IN 3
9670 / 9669	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 569	Date of Summary: 16-AUG-2005	First Sample Examined: 7980
Lease Number: G25599	Source of Paleo: OPERATOR	Borehole MD: 10238
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 10238
API Well Number: 427094115200	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 7980 - 10238	Water Depth: 271
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone		
9839 / 9838	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS	AT	4
9840 / 9839	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	POS	AT	4
9870 / 9869	DEF AT - - - - -	DEF	AT	4
9900 / 9899	DEF AT Arenaceous fauna (local marker)	DEF	AT	4
9930 / 9929	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF	AT	4
10020 / 10019	DEF AT - - - - -	POS	AT	4
10050 / 10049	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS	AT	4
10110 / 10109	DEF AT - - - - -	DEF	AT	4
10140 / 10139	DEF AT - - - - -	DEF	IN	3
10228 / 10227	DEF AT last sample examined	POS	IN	3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 569	Date of Summary: 16-AUG-2005	First Sample Examined: 9566
Lease Number: G25599	Source of Paleo: OPERATOR	Borehole MD: 12500
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 12497
API Well Number: 427094115201	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 9566 - 12500	Water Depth: 271
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9566 / 9565	DEF AT first sample examined	DEF IN 3
9590 / 9589	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
9617 / 9616	DEF AT - - - - -	DEF IN 3
9680 / 9679	DEF AT - - - - -	DEF IN 2
9770 / 9769	DEF AT - - - - -	DEF IN 3
9800 / 9799	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
9830 / 9828	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
9890 / 9888	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9950 / 9948	DEF AT - - - - -	DEF AT 4
10040 / 10037	DEF AT - - - - -	POS AT 4
10070 / 10067	POS AT local marker foram increase	DEF AT 4
10130 / 10127	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	POS AT 4
10290 / 10287	DEF AT - - - - -	DEF IN 3
10410 / 10407	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10851 / 10848	DEF AT - - - - -	DEF AT 4
10949 / 10946	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 4
10950 / 10947	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
10980 / 10977	DEF AT - - - - -	DEF IN 3
11190 / 11187	DEF AT - - - - -	POS AT 4
11220 / 11217	DEF AT - - - - -	DEF IN 3
11340 / 11337	DEF AT - - - - -	POS AT 4
11370 / 11367	DEF AT - - - - -	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: HI A 569	Date of Summary: 16-AUG-2005	First Sample Examined: 9566
Lease Number: G25599	Source of Paleo: OPERATOR	Borehole MD: 12500
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 12497
API Well Number: 427094115201	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 9566 - 12500	Water Depth: 271
Public Info Code: Y 31-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11393 / 11390	DEF AT - - - - -	POS AT 4
11400 / 11397	DEF AT - - - - -	DEF IN 3
11490 / 11487	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	POS AT 4
11519 / 11516	DEF AT Eggerella sp. (local marker)	POS AT 4
11520 / 11517	DEF AT Cyclammina cancellata (local marker)	POS AT 4
11610 / 11607	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
11640 / 11637	DEF AT - - - - -	DEF AT 4
11670 / 11667	DEF AT Cyclammina sp. (local marker)	POS AT 4
11723 / 11720	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	POS AT 4
11912 / 11909	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 4
11940 / 11937	DEF AT local marker benthic foram increase	DEF AT 4
12000 / 11997	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 4
12030 / 12027	DEF AT - - - - -	DEF AT 5
12057 / 12054	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12058 / 12055	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
12059 / 12056	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
12060 / 12057	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12120 / 12117	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
12240 / 12237	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
12500 / 12497	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Bass Prospect, suprasalt foram report, expanded section noted between 13850 and 14620, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9804 / 9804	DEF AT first sample examined	POS AT 6
9805 / 9805	DEF AT transported outer shelf facies	POS AT 6
10160 / 10160	POS IN Middle Pleistocene (Ionian) Trimosina "A"	POS AT 6
10789 / 10789	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
10790 / 10790	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
11060 / 11060	DEF AT transported outer shelf facies	POS AT 6
11418 / 11418	DEF AT pyrite	DEF AT 6
11419 / 11419	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
11420 / 11420	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 6
11508 / 11508	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 6
11509 / 11509	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
11510 / 11510	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
11599 / 11599	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
11600 / 11600	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
11780 / 11780	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11869 / 11869	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11870 / 11870	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
11960 / 11960	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 6
12140 / 12140	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
12408 / 12408	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
12409 / 12409	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12410 / 12410	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 6
12500 / 12500	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
12590 / 12590	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
12679 / 12679	DEF AT transported shelf fauna	POS AT 6
12680 / 12680	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
12860 / 12860	DEF AT transported shelf fauna	POS AT 5
13040 / 13040	DEF AT deepwater facies Harang	POS AT 5
13220 / 13220	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13310 / 13310	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
13400 / 13400	DEF AT local marker planktic foram increase	DEF AT 5
13490 / 13490	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
13580 / 13580	DEF AT local marker foram decrease	DEF AT 5
13850 / 13850	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
14170 / 14170	DEF AT Lower Miocene (Aquitanian) Globigerina angulisuturalis	DEF IN 6
14439 / 14439	DEF AT foram flood	DEF IN 6
14440 / 14440	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 6
14620 / 14620	DEF AT local marker planktic foram increase	DEF IN 6
15069 / 15069	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 6
15070 / 15070	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
15250 / 15250	DEF AT radiolarians	DEF IN 6
15430 / 15430	DEF AT Lower Oligocene (Rupelian) Anomalina bilateralis	DEF IN 6
15610 / 15610	DEF AT Lower Oligocene (Rupelian) Chiloguembelina cubensis	DEF IN 6
15700 / 15700	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 6
15880 / 15879	DEF AT local marker foram decrease	DEF IN 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15969 / 15968	DEF AT transported shelf fauna	POS AT 6
15970 / 15969	DEF AT Lower Oligocene (Rupelian) Textularia warreni	DEF AT 6
16150 / 16149	DEF AT Lower Oligocene (Rupelian) Cibicides pippeni	DEF AT 6
16420 / 16419	DEF AT Lower Oligocene (Rupelian) Pseudohastigerina micra	DEF IN 6
16599 / 16598	DEF AT Upper Eocene (Priabonian) Hantkenina alabamensis	DEF IN 6
16600 / 16599	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 6
16779 / 16778	DEF AT foram flood	DEF IN 6
16780 / 16779	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 6
16870 / 16869	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF AT 7
17230 / 17229	DEF AT - - - - -	DEF AT 6
17679 / 17678	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 6
17680 / 17679	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 6
18220 / 18219	DEF AT reworked material	DEF IN 6
18489 / 18488	DEF AT foram flood	DEF AT 7
18490 / 18489	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF AT 7
18579 / 18578	DEF AT Middle Eocene (Bartonian) Orbulinoides beckmanni	DEF AT 7
18580 / 18579	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF AT 7
18670 / 18669	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 7
18760 / 18759	DEF AT Lower Eocene (Ypresian) Morozovella quetra	DEF AT 7
18820 / 18819	DEF AT - - - - -	DEF IN 6
18909 / 18908	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF IN 6
18910 / 18909	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF IN 6
18970 / 18969	DEF AT out-of-place section	DEF IN 6
19020 / 19019	POS AT Upper Cretaceous Maastrichtian Stage	DEF IN 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19038 / 19037	DEF AT salt	DEF IN 6
19250 / 19249	DEF AT last sample examined	DEF IN 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Bass Prospect, suprasalt calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9804 / 9804	DEF AT first sample examined	DEF AT
9805 / 9805	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9890 / 9890	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10159 / 10159	DEF IN Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
10160 / 10160	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10699 / 10699	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
10700 / 10700	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11239 / 11239	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11240 / 11240	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11417 / 11417	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11418 / 11418	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
11419 / 11419	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
11420 / 11420	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11508 / 11508	DEF AT Lower Pliocene (Zancian) Sphenolithus verensis	DEF AT
11509 / 11509	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
11510 / 11510	DEF AT Lower Pliocene (Zancian) Pseudosphenolithus abies "B" (acme)	DEF AT
11599 / 11599	DEF AT Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF AT
11600 / 11600	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
11689 / 11689	DEF AT Lower Pliocene (Zancian) Ceratolithus armatus	DEF AT
11690 / 11690	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
11780 / 11780	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11868 / 11868	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
11869 / 11869	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11870 / 11870	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
11957 / 11957	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11958 / 11958	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11959 / 11959	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11960 / 11960	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12139 / 12139	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
12140 / 12140	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12230 / 12230	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12320 / 12320	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12407 / 12407	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
12408 / 12408	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12409 / 12409	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
12410 / 12410	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12500 / 12500	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
12589 / 12589	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
12590 / 12590	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12680 / 12680	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
13310 / 13310	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
13400 / 13400	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
13490 / 13490	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
13578 / 13578	DEF AT Lower Miocene (Aquitanian) Sphenolithus dissimilis	DEF AT
13579 / 13579	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
13580 / 13580	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
14260 / 14260	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
14440 / 14440	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
14620 / 14620	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
14890 / 14890	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
15250 / 15250	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
15340 / 15340	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
15520 / 15520	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT
15790 / 15789	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
16240 / 16239	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
16509 / 16508	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
16510 / 16509	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
16958 / 16957	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF AT
16959 / 16958	DEF AT Middle Eocene (Bartonian) Pemma stradneri	DEF AT
16960 / 16959	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT
18489 / 18488	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
18490 / 18489	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
18670 / 18669	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
18760 / 18759	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
18820 / 18819	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
18850 / 18849	DEF AT Lower Eocene (Ypresian) Toweiuss crassus	DEF AT
18909 / 18908	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
18910 / 18909	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
18970 / 18969	DEF AT out-of-place section	DEF AT
19190 / 19189	DEF AT local marker floral increase	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 01-OCT-2008	First Sample Examined: 9804
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 4	Sample Range: 9804 - 19250	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19250 / 19249	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 02-JAN-2009	First Sample Examined: 21100
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 3 of 4	Sample Range: 21100 - 29672	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bass Prospect, subsalt foram report, debrite section encountered between 28650 and 29130, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21100 / 21099	DEF AT first sample examined	POS AT 6
21101 / 21100	DEF IN gouge	POS AT 6
21200 / 21199	DEF AT local marker planktic foram increase	DEF AT 6
21350 / 21349	DEF AT foram flood	DEF IN 6
21410 / 21409	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF IN 6
21440 / 21439	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 6
21620 / 21619	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 6
21649 / 21648	DEF AT radiolarians	DEF IN 6
21650 / 21649	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF IN 6
21678 / 21677	DEF AT radiolarians	DEF IN 6
21679 / 21678	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
21680 / 21679	DEF AT Middle Eocene (Bartonian) Globorotalia spinuloinflata	DEF IN 6
21709 / 21708	DEF AT foram flood	DEF IN 6
21710 / 21709	DEF AT Middle Eocene (Bartonian) Subbotina frontosa	DEF IN 6
21740 / 21739	DEF AT foram flood	DEF IN 6
21950 / 21949	DEF AT radiolarians	DEF IN 6
22010 / 22009	DEF AT Middle Eocene (Bartonian) Acarinina broedermanni	DEF IN 6
22220 / 22219	DEF AT radiolarians	DEF IN 6
22370 / 22369	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF IN 6
22400 / 22399	DEF AT sample gap top	POS IN 6
22484 / 22483	DEF AT sample gap bottom	DEF IN 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 02-JAN-2009	First Sample Examined: 21100
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 3 of 4	Sample Range: 21100 - 29672	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
22485 / 22484	DEF AT radiolarians	DEF IN 6
22600 / 22599	DEF AT cement	DEF AT
22660 / 22659	DEF AT pyrite	DEF AT
22690 / 22689	DEF AT reworked material	DEF AT
22779 / 22778	DEF AT pyrite	DEF AT
22780 / 22779	DEF AT Bathysiphon fauna	DEF AT
22870 / 22869	DEF AT Bathysiphon fauna	DEF AT
23140 / 23139	DEF AT pyrite	DEF AT
23379 / 23378	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF AT
23380 / 23379	DEF AT Lower Eocene (Ypresian) Morozovella acuta	DEF AT
23830 / 23829	DEF AT pyrite	DEF AT
24000 / 23999	DEF AT local marker planktic foram increase	POS AT
24030 / 24029	DEF AT pyrite	DEF AT
24090 / 24089	DEF AT Bathysiphon fauna	DEF AT
24150 / 24149	DEF AT pyrite	DEF AT
24240 / 24239	DEF AT Bathysiphon fauna	DEF AT
24470 / 24469	DEF AT Upper Paleocene (Thanetian) Morozovella velascoensis	DEF AT
24630 / 24629	DEF AT pyrite	DEF AT
24690 / 24689	DEF AT Bathysiphon fauna	DEF AT
25590 / 25589	DEF AT Bathysiphon fauna	DEF AT
26820 / 26819	DEF AT Bathysiphon fauna	DEF AT
27300 / 27299	POS AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
27420 / 27419	DEF AT Upper Paleocene (Thanetian) Subbotina pseudobulloides	DEF AT
27450 / 27449	DEF AT pyrite	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 02-JAN-2009	First Sample Examined: 21100
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 3 of 4	Sample Range: 21100 - 29672	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
27540 / 27539	DEF AT Upper Paleocene (Selandian) Globorotalia inconstans	DEF AT
27570 / 27569	DEF AT reworked material	DEF AT
27630 / 27629	DEF AT pyrite	DEF AT
27660 / 27658	POS AT Lower Paleocene (Danian) Globoconusa daubjergensis	DEF AT
27990 / 27985	DEF AT pyrite	DEF AT
28110 / 28102	DEF AT Bathysiphon fauna	DEF AT
28440 / 28422	DEF AT reworked material	DEF AT
28590 / 28566	DEF AT radiolarians	DEF AT 4
28649 / 28623	DEF AT limestone	DEF AT 4
28650 / 28624	DEF AT local marker benthic foram increase	DEF AT 4
29130 / 29086	DEF AT radiolarians	DEF AT 4
29160 / 29115	DEF AT local marker benthic foram increase	DEF AT 4
29190 / 29144	POS AT Upper Cretaceous (Maastrichtian) Globotruncana lapparenti	DEF AT 4
29250 / 29201	DEF AT local marker foram decrease	DEF AT 4
29672 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 02-JAN-2009	First Sample Examined: 21100
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 4 of 4	Sample Range: 21100 - 29672	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 004

Remark: Bass Prospect, subsalt calcareous nannofossil report, debrite section encountered between 28650 and 29130, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21100 / 21099	DEF AT first sample examined	DEF AT
21101 / 21100	DEF IN gouge	DEF AT
21350 / 21349	POS IN Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
21620 / 21619	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
21649 / 21648	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
21650 / 21649	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT
21680 / 21679	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
21950 / 21949	DEF AT reworked material	DEF AT
22130 / 22129	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT
22190 / 22189	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT
22580 / 22579	POS AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
23230 / 23229	DEF AT Lower Eocene (Ypresian) Tribrahiatus orthostylus	DEF AT
23260 / 23259	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
24000 / 23999	POS AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
24870 / 24869	DEF AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF AT
24930 / 24929	DEF AT reworked material	DEF AT
26850 / 26849	DEF AT Upper Paleocene Selandian Stage	DEF AT
27840 / 27837	DEF AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF AT
28410 / 28393	DEF AT reworked material	DEF AT
28647 / 28621	DEF AT out-of-place section	DEF AT
28648 / 28622	POS IN Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 596	Date of Summary: 02-JAN-2009	First Sample Examined: 21100
Lease Number: G19600	Source of Paleo: OPERATOR	Borehole MD: 29663
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 29599
API Well Number: 608084001300	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 4 of 4	Sample Range: 21100 - 29672	Water Depth: 6397
Public Info Code: Y 22-JUL-2009	Ecozone Eq MMS:	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
28649 / 28623	POS IN Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
28650 / 28624	POS IN Upper Cretaceous (Campanian) Aspidolithus parcus parcus	DEF AT
28709 / 28680	POS IN Upper Cretaceous (Campanian) Eiffellithus eximius	DEF AT
28710 / 28681	POS IN Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
29129 / 29085	DEF AT Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
29130 / 29086	DEF AT Upper Cretaceous (Campanian) Aspidolithus parcus parcus	DEF AT
29160 / 29115	DEF AT Upper Cretaceous (Campanian) Lithastrinus grillii	DEF AT
29340 / 29288	DEF AT Upper Cretaceous (Campanian) Marthasterites furcatus	DEF AT
29663 / 29599	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 681	Date of Summary: 01-NOV-2004	First Sample Examined: 21610
Lease Number: G20949	Source of Paleo: OPERATOR	Borehole MD: 27575
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27553
API Well Number: 608084000500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 21610 - 27575	Water Depth: 6345
Public Info Code: Y 31-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Sardinia Prospect, company-integrated foram and nanno report, 24970=Middle Eocene Acarinina matthewsae LAD, 25030=Middle Eocene Reticulofenestra umbilica FAD, 27070=possible Late Paleocene Acarinina mckannai LAD, 27130=possible Late Paleocene Subbotina triloculinoides LAD, 27540=in Late Cretaceous Uniplanarius trifidus

MD / TVD	Paleo Top Description	Ecozone		
21610 / 21607	DEF AT first sample examined	POS	AT	4
21665 / 21662	DEF AT base of salt	POS	AT	4
21670 / 21667	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF	AT	4
21760 / 21757	DEF AT faunal change (no faunal increase)	DEF	IN	4
21940 / 21937	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	IN	4
22150 / 22147	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF	IN	4
22360 / 22357	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF	IN	4
22420 / 22417	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF	IN	4
22600 / 22597	DEF AT faunal change (no faunal increase)	DEF	AT	4
22660 / 22657	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	4
22720 / 22717	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF	AT	4
23109 / 23106	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF	AT	4
23110 / 23107	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF	AT	4
23410 / 23407	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF	AT	4
23440 / 23437	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF	AT	4
23530 / 23527	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF	IN	4
23590 / 23587	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerata	DEF	IN	4
23726 / 23723	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF	IN	4
23727 / 23724	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF	AT	5
23770 / 23767	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF	IN	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 681	Date of Summary: 01-NOV-2004	First Sample Examined: 21610
Lease Number: G20949	Source of Paleo: OPERATOR	Borehole MD: 27575
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 27553
API Well Number: 608084000500	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 21610 - 27575	Water Depth: 6345
Public Info Code: Y 31-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
23800 / 23797	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 5
24400 / 24397	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
24430 / 24427	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 5
24609 / 24606	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 5
24610 / 24607	DEF AT Upper Eocene (Priabonian) Globorotalia cerroazulensis cocoaensis	DEF IN 5
24670 / 24667	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 5
24760 / 24757	DEF AT Upper Eocene (Priabonian) Globigerinatheka semiinvoluta	DEF IN 5
24820 / 24817	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF IN 5
24940 / 24937	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF IN 5
24970 / 24967	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF IN 5
25030 / 25027	DEF AT local marker floral increase	POS IN 6
25120 / 25117	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	POS IN 6
25288 / 25284	DEF IN Upper Paleocene (Thanetian) Discoaster diastypus	POS IN 6
27070 / 27055	POS AT Upper Paleocene (Thanetian) Planulorotalites pseudomenardii	POS IN 6
27130 / 27114	POS AT Upper Paleocene (Thanetian) Planorotalites compressa	POS IN 6
27500 / 27479	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	POS IN 6
27508 / 27487	DEF IN Upper Cretaceous (Maastrichtian) Micula decussata	POS IN 6
27540 / 27519	DEF IN Upper Cretaceous (Maastrichtian) Tetralithus trifidus	POS IN 6
27575 / 27553	DEF AT last sample examined	POS IN 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 774	Date of Summary: 01-MAY-2001	First Sample Examined: 9570
Lease Number: G21441	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26980
API Well Number: 608084000300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9570 - 27000	Water Depth: 6743
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Ponza Prospect, calcareous nannofossil report, 17190=Helicosphaera bramlettei, 18870=Hornibrookina teuriensis

MD / TVD	Paleo Top Description	Ecozone
9570 / 9570	DEF AT first sample examined	DEF AT
9571 / 9571	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10680 / 10679	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10770 / 10769	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10830 / 10829	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11040 / 11039	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11550 / 11549	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13680 / 13678	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
13800 / 13798	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
14610 / 14608	DEF AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT
14730 / 14728	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15870 / 15868	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
15990 / 15988	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16350 / 16348	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
16440 / 16438	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
16500 / 16498	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
16680 / 16678	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
16920 / 16918	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17070 / 17068	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
17130 / 17128	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
17131 / 17129	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
17190 / 17188	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 774	Date of Summary: 01-MAY-2001	First Sample Examined: 9570
Lease Number: G21441	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26980
API Well Number: 608084000300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9570 - 27000	Water Depth: 6743
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17403 / 17401	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
17550 / 17547	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
17551 / 17548	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
17670 / 17667	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT
17730 / 17727	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18030 / 18027	DEF IN Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT
18180 / 18177	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
18420 / 18416	POS AT Lower Eocene (Ypresian) Tribrachiatus orthostylus	DEF AT
18480 / 18476	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
18540 / 18536	DEF AT Upper Paleocene (Thanetian) Heliolithus riedelli	DEF AT
18870 / 18865	DEF AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT
18960 / 18955	DEF AT Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT
19200 / 19195	DEF AT Upper Cretaceous (Maastrichtian) Aspidolithus parvus constrictus	DEF AT
19491 / 19485	POS IN Upper Cretaceous (Maastrichtian) Tetralithus trifidus	DEF AT
19560 / 19554	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
19980 / 19972	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20130 / 20122	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20460 / 20451	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
20700 / 20690	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21180 / 21170	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21240 / 21229	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21705 / 21693	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21750 / 21738	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21810 / 21798	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: KC 774	Date of Summary: 01-MAY-2001	First Sample Examined: 9570
Lease Number: G21441	Source of Paleo: OPERATOR	Borehole MD: 27000
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26980
API Well Number: 608084000300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9570 - 27000	Water Depth: 6743
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
23700 / 23684	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
24420 / 24403	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
25050 / 25033	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
25440 / 25423	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
25740 / 25723	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
25980 / 25962	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
26700 / 26681	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
26970 / 26950	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
27000 / 26980	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: LL 2	Date of Summary: 20-JAN-2005	First Sample Examined: 13630
Lease Number: G10486	Source of Paleo: OPERATOR	Borehole MD: 17492
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15980
API Well Number: 608244000401	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - L	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 13630 - 17493	Water Depth: 8340
Public Info Code: Y 24-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13630 / 13548	DEF AT first sample examined	DEF AT
13650 / 13566	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
13710 / 13622	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14250 / 14103	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14550 / 14340	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14640 / 14408	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14730 / 14475	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
15840 / 15129	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16470 / 15453	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17493 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: LL 2	Date of Summary: 24-JAN-2005	First Sample Examined: 13630
Lease Number: G10486	Source of Paleo: OPERATOR	Borehole MD: 17492
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15980
API Well Number: 608244000401	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - L	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 13630 - 17493	Water Depth: 8340
Public Info Code: Y 24-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13630 / 13548	DEF AT first sample examined	DEF AT 6
13740 / 13650	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
13770 / 13678	DEF AT - - - - -	DEF AT 5
14550 / 14340	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14880 / 14586	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
14970 / 14649	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15780 / 15098	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16860 / 15654	POS IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16980 / 15716	POS IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
17493 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: LL 268	Date of Summary: 20-AUG-2008	First Sample Examined: 11978
Lease Number: G10492	Source of Paleo: OPERATOR	Borehole MD: 15930
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15929
API Well Number: 608244000900	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - L	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 11978 - 15930	Water Depth: 8816
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11978 / 11978	DEF AT first sample examined	DEF AT 5
12540 / 12540	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
12570 / 12570	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13319 / 13319	POS AT maximum flooding surface	DEF AT 5
13320 / 13320	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
13347 / 13347	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF IN 5
13348 / 13348	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF IN 5
13349 / 13349	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 5
13350 / 13350	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
13374 / 13374	POS AT maximum flooding surface	DEF IN 5
13376 / 13376	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 5
13377 / 13377	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF IN 5
13378 / 13378	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
13379 / 13379	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
13380 / 13380	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
13440 / 13440	DEF AT - - - - -	DEF AT 5
13980 / 13980	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
14700 / 14700	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
14908 / 14908	POS AT maximum flooding surface	DEF AT 5
14909 / 14909	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
14910 / 14910	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
15029 / 15029	POS AT maximum flooding surface	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: LL 268	Date of Summary: 20-AUG-2008	First Sample Examined: 11978
Lease Number: G10492	Source of Paleo: OPERATOR	Borehole MD: 15930
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15929
API Well Number: 608244000900	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - L	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 11978 - 15930	Water Depth: 8816
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15030 / 15030	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT 5
15060 / 15060	DEF AT unconformity	DEF AT 6
15088 / 15088	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
15089 / 15089	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
15090 / 15090	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
15210 / 15210	POS AT Upper Miocene (Messinian) Globorotalia janaei	DEF AT 6
15270 / 15270	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
15300 / 15300	DEF AT - - - - -	DEF AT 5
15570 / 15570	POS IN Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 5
15628 / 15628	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
15629 / 15629	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
15630 / 15630	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
15690 / 15690	POS AT maximum flooding surface	DEF AT 5
15780 / 15780	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15809 / 15809	POS AT maximum flooding surface	DEF AT 5
15810 / 15810	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
15899 / 15899	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
15900 / 15899	POS IN Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
15930 / 15929	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 20	Date of Summary: 26-DEC-2000	First Sample Examined: 0
Lease Number: G15459	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14370
Well Name: A020	Paleo Done By: OPERATOR	Borehole TVD: 7869
API Well Number: 608174089200	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 479
Public Info Code: Y 27-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
5310 / 3610	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
7800 / 4697	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11710 / 6440	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT
14052 / 7514	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 29	Date of Summary: 24-MAR-1998	First Sample Examined: 3660
Lease Number: G13997	Source of Paleo: OPERATOR	Borehole MD: 7959
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7848
API Well Number: 608174060300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 3660 - 7959	Water Depth: 2266
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3660 / 3660	DEF AT first sample examined	DEF AT 4
3690 / 3690	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
4259 / 4259	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
4260 / 4260	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
4290 / 4290	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
4350 / 4350	DEF AT faunal change (no faunal increase)	DEF AT 5
4440 / 4440	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
4650 / 4650	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
4860 / 4860	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
5039 / 5039	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
5040 / 5040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5399 / 5399	POS AT out-of-place section	DEF AT 5
5400 / 5400	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7200 / 7168	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
7800 / 7708	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
7959 / 7849	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 29	Date of Summary: 24-MAR-1998	First Sample Examined: 3660
Lease Number: G13997	Source of Paleo: OPERATOR	Borehole MD: 7959
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7848
API Well Number: 608174060300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 3660 - 7959	Water Depth: 2266
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3660 / 3660	DEF AT first sample examined	DEF AT
3780 / 3780	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4258 / 4258	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4259 / 4259	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
4260 / 4260	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
4350 / 4350	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
4500 / 4500	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4680 / 4680	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4950 / 4950	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7530 / 7467	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
7959 / 7849	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 109	Date of Summary: 01-JUL-2000	First Sample Examined: 11700
Lease Number: G09777	Source of Paleo: OPERATOR	Borehole MD: 21945
Well Name: A032	Paleo Done By: BUGWARE, INC.	Borehole TVD: 8708
API Well Number: 608174088501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 141
Paleo Report Num: 1 of 3	Sample Range: 11700 - 21945	Water Depth: 1030
Public Info Code: Y 30-AUG-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, no summary report, only detailed sample description received, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11700 / 5652	DEF AT first sample examined	DEF AT
11701 / 5652	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11820 / 5686	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
21945 / 8708	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 109	Date of Summary: 30-JUN-2001	First Sample Examined: 11700
Lease Number: G09777	Source of Paleo: OPERATOR	Borehole MD: 21945
Well Name: A032	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 8708
API Well Number: 608174088501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 141
Paleo Report Num: 2 of 3	Sample Range: 11700 - 21945	Water Depth: 1030
Public Info Code: Y 30-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11700 / 5652	DEF AT first sample examined	DEF IN 3
11880 / 5703	DEF AT faunal change (no faunal increase)	DEF AT 4
11910 / 5711	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
11940 / 5719	DEF AT faunal change (no faunal increase)	DEF AT 5
11970 / 5728	DEF AT faunal change (no faunal increase)	DEF AT 4
12060 / 5754	DEF AT faunal change (no faunal increase)	DEF IN 3
15600 / 6886	DEF AT faunal change (no faunal increase)	DEF AT 2
15660 / 6904	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
15780 / 6940	DEF AT local marker foram increase	DEF AT 2
15960 / 6994	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
16260 / 7086	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 2
17100 / 7338	DEF AT faunal change (no faunal increase)	DEF IN 2
17610 / 7487	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
17790 / 7540	DEF AT local marker foram increase	DEF IN 2
18390 / 7714	DEF AT sample gap top	POS IN 2
19050 / 7911	DEF AT sample gap bottom	DEF IN 2
19410 / 8017	DEF AT faunal change (no faunal increase)	DEF AT 2
20070 / 8208	DEF AT faunal change (no faunal increase)	DEF IN 2
20400 / 8300	DEF AT faunal change (no faunal increase)	DEF AT 2
21945 / 8708	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 109	Date of Summary: 24-SEP-2001	First Sample Examined: 11700
Lease Number: G09777	Source of Paleo: OPERATOR	Borehole MD: 21945
Well Name: A032	Paleo Done By: OPERATOR	Borehole TVD: 8708
API Well Number: 608174088501	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 141
Paleo Report Num: 3 of 3	Sample Range: 11700 - 21945	Water Depth: 1030
Public Info Code: Y 30-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11700 / 5652	DEF AT first sample examined	DEF IN 3
11701 / 5652	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF IN 3
11820 / 5686	DEF IN Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF IN 3
12060 / 5754	DEF AT maximum flooding surface	DEF IN 3
13260 / 6126	DEF AT maximum flooding surface	DEF IN 3
14190 / 6443	DEF AT maximum flooding surface	DEF IN 3
14400 / 6507	DEF AT sample gap top	DEF AT
15480 / 6848	DEF AT sample gap bottom	DEF AT
15660 / 6904	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
16260 / 7086	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 2
17370 / 7417	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 2
17600 / 7485	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
18330 / 7696	DEF AT maximum flooding surface	DEF IN 2
19140 / 7937	DEF AT maximum flooding surface	DEF IN 2
20100 / 8216	DEF AT maximum flooding surface	DEF IN 2
21944 / 8708	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 2
21945 / 8708	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 109	Date of Summary: 13-APR-2000	First Sample Examined: 5970
Lease Number: G18192	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A031	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6650
API Well Number: 608174087900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 140
Paleo Report Num: 1 of 2	Sample Range: 5970 - 12515	Water Depth: 1030
Public Info Code: Y 08-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Orion Prospect

MD / TVD	Paleo Top Description	Ecozone
5970 / 4119	DEF AT first sample examined	DEF AT 5
5971 / 4119	DEF AT foram flood	DEF AT 5
5972 / 4119	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6090 / 4152	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
6150 / 4168	DEF AT - - - - -	DEF AT 4
6210 / 4184	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
6450 / 4256	DEF AT - - - - -	DEF IN 3
6480 / 4265	DEF AT - - - - -	DEF AT 4
6507 / 4272	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
6508 / 4273	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
6509 / 4273	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 4
6510 / 4273	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 4
6540 / 4282	DEF AT local marker foram decrease	DEF AT 4
6600 / 4299	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 4
6660 / 4316	POS AT reworked material	DEF AT 4
6720 / 4333	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
6810 / 4359	POS AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF IN 3
6840 / 4368	DEF AT - - - - -	DEF AT 4
6960 / 4404	DEF AT - - - - -	DEF IN 3
7260 / 4487	DEF AT - - - - -	DEF AT 4
7290 / 4495	DEF AT - - - - -	DEF IN 3
7770 / 4625	DEF AT transported shelf fauna	POS IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 109	Date of Summary: 13-APR-2000	First Sample Examined: 5970
Lease Number: G18192	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A031	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 6650
API Well Number: 608174087900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 140
Paleo Report Num: 1 of 2	Sample Range: 5970 - 12515	Water Depth: 1030
Public Info Code: Y 08-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
8040 / 4706	DEF AT - - - - -	DEF IN 3
8189 / 4746	POS AT reworked material	DEF IN 3
8190 / 4746	DEF AT local marker foram increase	DEF IN 3
8340 / 4783	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
8850 / 4916	DEF AT sand	DEF AT 3
8970 / 4945	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
9120 / 4980	POS AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
9270 / 5016	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
9420 / 5054	DEF AT - - - - -	DEF AT 3
9990 / 5209	DEF AT local marker planktic foram increase	DEF AT 3
10020 / 5219	DEF AT local marker foram increase	DEF IN 3
10230 / 5292	DEF AT - - - - -	DEF AT 4
10260 / 5304	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
10350 / 5341	POS AT reworked material	DEF IN 3
10440 / 5381	DEF AT - - - - -	DEF AT 3
10710 / 5518	DEF AT local marker foram decrease	DEF AT 3
10830 / 5585	POS AT reworked material	DEF AT 3
11520 / 6006	DEF IN Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 3
11730 / 6136	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 3
11819 / 6192	POS AT reworked material	DEF AT 3
11820 / 6192	DEF AT local marker foram increase	DEF AT 3
12515 / 6650	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 109	Date of Summary: 01-AUG-2000	First Sample Examined: 5970
Lease Number: G18192	Source of Paleo: OPERATOR	Borehole MD: 12515
Well Name: A031	Paleo Done By: OPERATOR	Borehole TVD: 6650
API Well Number: 608174087900	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 140
Paleo Report Num: 2 of 2	Sample Range: 5970 - 12515	Water Depth: 1030
Public Info Code: Y 08-MAY-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Orion Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5970 / 4119	DEF AT first sample examined	DEF AT
5971 / 4119	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
6180 / 4176	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6660 / 4316	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
6900 / 4386	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11490 / 5987	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11820 / 6192	POS AT Lower Pliocene (Zanclian) Discoaster challenger	DEF AT
12515 / 6650	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 126	Date of Summary: 01-DEC-1999	First Sample Examined: 10030
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 14450
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14443
API Well Number: 608174085900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10030 - 14450	Water Depth: 5308
Public Info Code: Y 12-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10030 / 10030	DEF AT first sample examined	DEF AT 4
10031 / 10031	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
10149 / 10149	DEF AT condensed section	DEF AT 4
10150 / 10150	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
10180 / 10180	DEF AT faunal change (no faunal increase)	DEF AT 5
10240 / 10240	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
10330 / 10330	DEF AT faunal change (no faunal increase)	DEF AT 4
10389 / 10389	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
10390 / 10390	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
10510 / 10510	DEF AT local marker foram increase	DEF AT 5
10630 / 10630	DEF AT faunal change (no faunal increase)	DEF AT 4
10690 / 10690	DEF AT local marker benthic foram increase	DEF AT 4
11110 / 11110	DEF AT local marker foram decrease	DEF AT 4
11260 / 11260	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
11320 / 11320	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
11500 / 11500	DEF AT faunal change (no faunal increase)	DEF AT 5
11590 / 11590	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11650 / 11650	DEF AT faunal change (no faunal increase)	DEF AT 4
11890 / 11890	DEF AT local marker foram decrease	DEF AT 4
12070 / 12070	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12130 / 12130	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
12310 / 12309	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 126	Date of Summary: 01-DEC-1999	First Sample Examined: 10030
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 14450
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14443
API Well Number: 608174085900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10030 - 14450	Water Depth: 5308
Public Info Code: Y 12-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12340 / 12339	DEF IN Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
12400 / 12399	DEF AT faunal change (no faunal increase)	DEF AT 6
12430 / 12429	DEF AT faunal change (no faunal increase)	DEF AT 4
12460 / 12459	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
12490 / 12489	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12730 / 12729	DEF AT local marker foram increase	DEF AT 5
12790 / 12789	DEF AT faunal change (no faunal increase)	DEF AT 4
13330 / 13329	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
13450 / 13449	DEF AT local marker planktic foram increase	DEF AT 5
13510 / 13508	DEF AT faunal change (no faunal increase)	DEF AT 4
13630 / 13628	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
13780 / 13778	DEF AT local marker planktic foram increase	DEF AT 4
13900 / 13897	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14020 / 14017	DEF AT local marker foram decrease	DEF AT 4
14450 / 14443	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 126	Date of Summary: 01-DEC-1999	First Sample Examined: 10030
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 14450
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 14443
API Well Number: 608174085900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10030 - 14450	Water Depth: 5308
Public Info Code: Y 12-DEC-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 10031=possible Discoaster preberggrenii, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10030 / 10030	DEF AT first sample examined	DEF AT
10031 / 10031	POS IN Upper (Late) Miocene	DEF AT
10032 / 10032	POS AT reworked material	DEF AT
10180 / 10180	DEF IN Upper (Late) Miocene	DEF AT
10420 / 10420	DEF AT Middle Miocene (Langhian) Discoaster icarus	DEF AT
10450 / 10450	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10510 / 10510	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10960 / 10960	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11230 / 11230	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
11231 / 11231	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
11530 / 11530	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12340 / 12339	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12341 / 12340	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12400 / 12399	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
12490 / 12489	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
12500 / 12499	DEF AT reworked material	DEF AT
12730 / 12729	POS AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
13330 / 13329	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
13331 / 13330	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
13450 / 13449	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
13540 / 13538	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
13780 / 13778	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 126	Date of Summary: 01-DEC-1999	First Sample Examined: 10030
Lease Number: G18194	Source of Paleo: OPERATOR	Borehole MD: 14450
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 14443
API Well Number: 608174085900	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10030 - 14450	Water Depth: 5308
Public Info Code: Y 12-DEC-2009	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14450 / 14443	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-AUG-1999	First Sample Examined: 7470
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13901
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13896
API Well Number: 608174085100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7470 - 13901	Water Depth: 5423
Public Info Code: Y 26-AUG-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 10110=Discoaster preberggrenii, the poor recovery of flora at the bottom of the original hole and throughout hte sidetrack may suggest a lowstand event, supported by the Coccolithus forms found through the interval, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7470 / 7470	DEF AT first sample examined	DEF AT
7530 / 7530	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
7531 / 7531	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7590 / 7590	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
7680 / 7680	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
7681 / 7681	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
8640 / 8640	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9510 / 9510	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9540 / 9540	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
10110 / 10110	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10590 / 10590	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11130 / 11130	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11280 / 11280	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11640 / 11640	DEF AT local marker floral increase	DEF AT
11730 / 11730	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12660 / 12659	DEF AT local marker floral decrease	DEF AT
13901 / 13896	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-SEP-1999	First Sample Examined: 7470
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13901
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13896
API Well Number: 608174085100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7470 - 13901	Water Depth: 5423
Public Info Code: Y 26-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7470 / 7470	DEF AT first sample examined	DEF AT 4
7530 / 7530	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7620 / 7620	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
8520 / 8520	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
8550 / 8550	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
8700 / 8700	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
8820 / 8820	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
9090 / 9090	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
9750 / 9750	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
9870 / 9870	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 5
9900 / 9900	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
10050 / 10050	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
10829 / 10829	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 5
10830 / 10830	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
10890 / 10890	DEF AT local marker benthic foram increase	DEF AT 5
11100 / 11100	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11130 / 11130	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
11400 / 11400	DEF AT faunal change (no faunal increase)	DEF AT 4
11550 / 11550	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11670 / 11670	DEF AT faunal change (no faunal increase)	DEF AT 5
11700 / 11700	DEF AT reworked material	DEF AT 5
11730 / 11730	DEF AT Bathysiphon fauna	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-SEP-1999	First Sample Examined: 7470
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13901
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13896
API Well Number: 608174085100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7470 - 13901	Water Depth: 5423
Public Info Code: Y 26-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11760 / 11760	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
11940 / 11940	DEF AT faunal change (no faunal increase)	DEF AT 5
11970 / 11970	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
12060 / 12060	DEF AT Upper Miocene (Tortonian) Cibicides crebbi	DEF AT 5
12150 / 12150	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12300 / 12299	DEF AT faunal change (no faunal increase)	DEF AT 4
12360 / 12359	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
12540 / 12539	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13530 / 13527	DEF AT faunal change (no faunal increase)	POS AT 4
13901 / 13896	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-AUG-1999	First Sample Examined: 12700
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 14677
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 14667
API Well Number: 608174085101	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 12700 - 14677	Water Depth: 5423
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, the poor recovery of flora at the bottom of the original hole and throughout the sidetrack may suggest a lowstand event, supported by the coccolith forms found through the interval, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12700 / 12698	DEF AT first sample examined	DEF AT
13390 / 13384	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14530 / 14521	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14677 / 14667	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-SEP-1999	First Sample Examined: 13720
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 14677
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14667
API Well Number: 608174085101	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 12700 - 14677	Water Depth: 5423
Public Info Code: Y 05-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 14410=Cyclammina 4 acme

MD / TVD	Paleo Top Description	Ecozone		
13720 / 13713	DEF AT first sample examined	POS	AT	4
13960 / 13952	DEF AT faunal change (no faunal increase)	DEF	AT	4
14409 / 14400	DEF AT Cyclammina sp. (local marker)	DEF	AT	4
14410 / 14401	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF	AT	4
14560 / 14551	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF	AT	5
14620 / 14610	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF	AT	5
14677 / 14667	DEF AT last sample examined	DEF	AT	5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-SEP-1999	First Sample Examined: 12490
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 16356
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 14549
API Well Number: 608174085102	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 12490 - 16356	Water Depth: 5423
Public Info Code: Y 16-SEP-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
12490 / 12417	DEF AT first sample examined	DEF AT
13390 / 13008	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14350 / 13506	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
14380 / 13522	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT
14470 / 13568	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
14500 / 13583	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16356 / 14549	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-OCT-1999	First Sample Examined: 12550
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 16356
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 14549
API Well Number: 608174085102	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11800 - 16356	Water Depth: 5423
Public Info Code: Y 16-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
11800 / 11795	DEF AT first sample examined	DEF AT 4
12550 / 12466	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12610 / 12513	DEF AT local marker foram increase	DEF AT 5
12790 / 12646	DEF AT faunal change (no faunal increase)	DEF AT 4
13210 / 12911	DEF AT faunal change (no faunal increase)	POS AT 4
13600 / 13115	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
13660 / 13147	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
13809 / 13225	DEF AT pyrite	DEF AT 4
13810 / 13225	DEF AT local marker foram decrease	DEF AT 4
14350 / 13506	DEF AT local marker foram increase	DEF AT 5
14410 / 13537	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
14530 / 13598	DEF AT faunal change (no faunal increase)	DEF AT 4
15910 / 14328	POS AT Arenaceous fauna (local marker)	DEF AT 4
16300 / 14522	DEF AT Eggerella sp. (local marker)	DEF AT 4
16356 / 14549	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-NOV-1999	First Sample Examined: 10350
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13762
Well Name: 002	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13759
API Well Number: 608174085500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 10350 - 13762	Water Depth: 5468
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10350 / 10350	DEF AT first sample examined	DEF AT
10351 / 10351	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10440 / 10440	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10740 / 10740	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10980 / 10980	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
10981 / 10981	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
11130 / 11130	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11160 / 11160	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11190 / 11190	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
11430 / 11430	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
11580 / 11580	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11730 / 11729	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
11790 / 11789	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
12360 / 12359	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
12361 / 12360	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12600 / 12599	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
12630 / 12629	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
13762 / 13759	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 127	Date of Summary: 01-JAN-2000	First Sample Examined: 13762
Lease Number: G19925	Source of Paleo: OPERATOR	Borehole MD: 13762
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13759
API Well Number: 608174085500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 10350 - 13762	Water Depth: 5468
Public Info Code: Y 25-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10350 / 10350	DEF AT first sample examined	DEF AT 4
10470 / 10470	DEF IN Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 4
10590 / 10590	DEF AT faunal change (no faunal increase)	DEF AT 5
10739 / 10739	POS AT condensed section	DEF AT 5
10740 / 10740	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
10770 / 10770	DEF AT local marker foram increase	DEF AT 5
10950 / 10950	DEF AT local marker foram increase	DEF AT 5
11070 / 11070	DEF AT faunal change (no faunal increase)	DEF AT 4
11310 / 11310	DEF AT local marker foram increase	DEF AT 4
11430 / 11430	DEF AT faunal change (no faunal increase)	DEF AT 5
11790 / 11789	DEF AT local marker benthic foram increase	DEF AT 4
11850 / 11849	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11910 / 11909	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
11970 / 11969	DEF AT Bathysiphon fauna	DEF AT 4
12330 / 12329	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
12450 / 12449	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12510 / 12509	DEF AT local marker foram increase	DEF AT 5
12600 / 12599	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
12690 / 12689	DEF AT faunal change (no faunal increase)	DEF AT 4
13560 / 13558	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13762 / 13759	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 162	Date of Summary: 05-JAN-2010	First Sample Examined: 8400
Lease Number: G21746	Source of Paleo: OPERATOR	Borehole MD: 11218
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11075
API Well Number: 608174117400	Drilling Operator: DEEP GULF ENERGY LP	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8400 - 11220	Water Depth: 3266
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8400 / 8400	DEF AT first sample examined	DEF AT 6
8401 / 8401	DEF IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
8610 / 8610	POS AT maximum flooding surface	DEF AT 6
8670 / 8670	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
8700 / 8699	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8880 / 8878	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
9000 / 8995	POS AT maximum flooding surface	DEF AT 6
9030 / 9024	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
9329 / 9309	POS AT maximum flooding surface	DEF AT 6
9330 / 9310	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
9660 / 9607	POS AT maximum flooding surface	DEF AT 6
10080 / 9988	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
11217 / 11074	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
11218 / 11075	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 173	Date of Summary: 15-NOV-2001	First Sample Examined: 8870
Lease Number: G09790	Source of Paleo: OPERATOR	Borehole MD: 12670
Well Name: SS002	Paleo Done By: OPERATOR	Borehole TVD: 11866
API Well Number: 608174090900	Drilling Operator: BP AMERICA PRODUCTION COMPANY	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 8870 - 12670	Water Depth: 6390
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8870 / 8870	DEF AT first sample examined	DEF AT
8960 / 8960	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
9000 / 9000	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10010 / 10000	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10640 / 10592	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11480 / 11201	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
12350 / 11686	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12670 / 11866	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 205	Date of Summary: 11-JAN-2002	First Sample Examined: 5525
Lease Number: G22864	Source of Paleo: OPERATOR	Borehole MD: 9054
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8629
API Well Number: 608174095600	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 73
Paleo Report Num: 1 of 2	Sample Range: 5525 - 9070	Water Depth: 3771
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5525 / 5525	DEF AT first sample examined	DEF AT
5526 / 5526	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
6040 / 6038	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6190 / 6185	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
7330 / 7189	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
7900 / 7670	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
8710 / 8353	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9070 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 205	Date of Summary: 15-JAN-2002	First Sample Examined: 5525
Lease Number: G22864	Source of Paleo: OPERATOR	Borehole MD: 9054
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8629
API Well Number: 608174095600	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 73
Paleo Report Num: 2 of 2	Sample Range: 5525 - 9070	Water Depth: 3771
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5525 / 5525	DEF AT first sample examined	DEF AT 5
5526 / 5526	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
6490 / 6470	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7990 / 7748	DEF AT - - - - -	DEF AT 6
8140 / 7878	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9070 /	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 4908
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8964
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8400
API Well Number: 608174084200	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 4908 - 8965	Water Depth: 2805
Public Info Code: Y 19-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
4908 / 4907	DEF AT first sample examined	DEF AT
4909 / 4908	DEF AT cement	DEF AT
5360 / 5358	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
5390 / 5388	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 5
8120 / 7797	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8965 /	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 4908
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8964
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8400
API Well Number: 608174084200	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 4908 - 8965	Water Depth: 2805
Public Info Code: Y 19-APR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
4908 / 4907	DEF AT first sample examined	DEF AT
5360 / 5358	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
6920 / 6903	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8750 / 8247	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8965 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 6650
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8715
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8112
API Well Number: 608174084201	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 6650 - 8035	Water Depth: 2805
Public Info Code: Y 25-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF IN 5
8035 / 7728	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 6650
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8715
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8112
API Well Number: 608174084201	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 6650 - 8035	Water Depth: 2805
Public Info Code: Y 25-APR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, core samples also analyzed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF AT
6950 / 6930	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8035 / 7728	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 6650
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8035
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7867
API Well Number: 608174084202	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 6650 - 8035	Water Depth: 2805
Public Info Code: Y 12-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF AT 5
8035 / 7867	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 07-MAY-1999	First Sample Examined: 6650
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8035
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7867
API Well Number: 608174084202	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 6650 - 8035	Water Depth: 2805
Public Info Code: Y 12-MAY-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Interim calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 6646	DEF AT first sample examined	DEF AT
6950 / 6943	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8035 / 7867	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 05-AUG-1999	First Sample Examined: 4930
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 8165
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8165
API Well Number: 608174085000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 4930 - 8165	Water Depth: 2835
Public Info Code: Y 26-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4930 / 4930	DEF AT first sample examined	DEF AT 5
5050 / 5050	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
5200 / 5200	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5440 / 5440	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
6280 / 6280	DEF AT - - - - -	DEF AT 4
7810 / 7810	DEF AT - - - - -	DEF AT 5
8165 / 8165	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 14-OCT-1999	First Sample Examined: 5180
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 13056
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13055
API Well Number: 608174085400	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5180 - 13056	Water Depth: 3085
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
5180 / 5180	DEF AT first sample examined	DEF AT 5
5181 / 5181	DEF IN Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
5330 / 5330	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5420 / 5420	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
7610 / 7610	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11180 / 11179	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
12230 / 12229	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
13056 / 13055	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 243	Date of Summary: 14-OCT-1999	First Sample Examined: 5180
Lease Number: G19931	Source of Paleo: OPERATOR	Borehole MD: 13056
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13055
API Well Number: 608174085400	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 5180 - 13056	Water Depth: 3085
Public Info Code: Y 21-OCT-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5180 / 5180	DEF AT first sample examined	DEF AT
5181 / 5181	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
5360 / 5360	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
5750 / 5750	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5810 / 5810	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
7550 / 7550	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8960 / 8960	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11180 / 11179	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13056 / 13055	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 285	Date of Summary: 31-JUL-2008	First Sample Examined: 8580
Lease Number: G19933	Source of Paleo: OPERATOR	Borehole MD: 9800
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9799
API Well Number: 608174115000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8580 - 9800	Water Depth: 3004
Public Info Code: Y 04-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8580 / 8579	DEF AT first sample examined	DEF AT 6
8581 / 8580	DEF IN Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 6
8582 / 8581	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
8610 / 8609	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8670 / 8669	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
8699 / 8698	POS AT maximum flooding surface	DEF AT 6
8700 / 8699	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
9180 / 9179	DEF AT sequence boundary	DEF AT 6
9209 / 9208	DEF AT maximum flooding surface	DEF AT 6
9210 / 9209	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
9450 / 9449	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
9660 / 9659	DEF AT local marker planktic foram increase	DEF AT 6
9800 / 9799	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 292	Date of Summary: 01-JUL-1999	First Sample Examined: 13080
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 608174083201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 13080 - 16012	Water Depth: 3393
Public Info Code: Y 21-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13080 / 12222	DEF AT first sample examined	DEF AT 5
13110 / 12250	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
13170 / 12307	DEF AT - - - - -	DEF AT 4
13440 / 12563	DEF AT transported shelf fauna	DEF AT 4
14130 / 13213	POS AT Arenaceous fauna (local marker)	DEF AT 4
14220 / 13298	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14370 / 13440	POS AT local marker foram increase	DEF AT 4
15090 / 14122	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15210 / 14236	DEF AT local marker foram increase	DEF AT 4
15360 / 14379	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15420 / 14436	POS AT local marker foram increase	DEF IN 4
15450 / 14464	DEF AT pyrite	DEF IN 4
15480 / 14493	DEF AT - - - - -	DEF AT 4
15570 / 14578	DEF AT local marker foram increase	DEF AT 5
15600 / 14607	DEF AT - - - - -	DEF AT 4
15840 / 14835	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
15930 / 14921	DEF AT Arenaceous fauna (local marker)	DEF AT 5
15960 / 14950	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15990 / 14979	DEF AT local marker foram increase	DEF AT 5
16012 / 15000	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 292	Date of Summary: 01-JUL-1999	First Sample Examined: 13020
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 16012
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 608174083201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 13020 - 16012	Water Depth: 3393
Public Info Code: Y 21-JUL-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 13860=Discoaster extensus, 15900=first persistent Discoaster loeblichii=15090 in the MC292T1 well, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13020 / 12165	DEF AT first sample examined	DEF AT
13021 / 12166	DEF IN Lower Pliocene	DEF AT
13080 / 12222	DEF AT floral flood	DEF AT
13140 / 12278	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13740 / 12845	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13860 / 12958	DEF AT local marker floral increase	DEF AT
15120 / 14151	POS AT local marker floral increase	DEF AT
15660 / 14664	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15780 / 14778	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
15900 / 14893	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16012 / 15000	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 292	Date of Summary: 16-MAR-1999	First Sample Examined: 5820
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 12769
Well Name: 004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12214
API Well Number: 608174083300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5820 - 12750	Water Depth: 3393
Public Info Code: Y 12-APR-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5820 / 5799	DEF AT first sample examined	DEF AT
5821 / 5800	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
5940 / 5914	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
6000 / 5971	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
6360 / 6303	DEF AT Upper Miocene (Messinian) Discoaster quinquерamus	DEF AT
6480 / 6411	DEF AT Upper Miocene (Messinian) Triquetrorhabdulus rugosus	DEF AT
6540 / 6464	DEF AT Upper Miocene (Messinian) Discoaster quinquерamus (increase)	DEF AT
6600 / 6516	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
7200 / 7028	DEF IN salt	DEF AT
10949 / 10396	DEF AT base of salt	DEF AT
10950 / 10397	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11070 / 10516	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11430 / 10875	DEF AT Upper Miocene (Messinian) Discoaster quinquерamus	DEF AT
11970 / 11415	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12750 / 12195	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 292	Date of Summary: 30-MAR-1999	First Sample Examined: 5820
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 12769
Well Name: 004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12214
API Well Number: 608174083300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5820 - 12750	Water Depth: 3393
Public Info Code: Y 12-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5820 / 5799	DEF AT first sample examined	DEF IN 3
5821 / 5800	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 3
5850 / 5828	DEF AT pyrite	DEF AT 4
5908 / 5884	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
5909 / 5884	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
5910 / 5885	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
5940 / 5914	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
5970 / 5942	DEF AT local marker planktic foram increase	DEF AT 4
6060 / 6027	DEF AT - - - - -	DEF AT 5
6120 / 6083	DEF AT - - - - -	DEF AT 4
6240 / 6194	POS AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri	POS AT 4
6270 / 6222	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
6360 / 6303	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
6390 / 6331	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
6420 / 6357	DEF AT - - - - -	DEF AT 4
6540 / 6464	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
6570 / 6490	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
6600 / 6516	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
6780 / 6671	DEF AT local marker foram increase	DEF AT 4
6930 / 6799	DEF AT - - - - -	DEF AT 5
6990 / 6850	DEF AT - - - - -	DEF AT 4
7170 / 7003	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 292	Date of Summary: 30-MAR-1999	First Sample Examined: 5820
Lease Number: G08806	Source of Paleo: OPERATOR	Borehole MD: 12769
Well Name: 004	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12214
API Well Number: 608174083300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5820 - 12750	Water Depth: 3393
Public Info Code: Y 12-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
7199 / 7028	DEF IN salt	DEF AT 4
7200 / 7028	DEF AT pyrite	DEF AT 4
10950 / 10397	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10980 / 10427	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
11100 / 10546	DEF AT limestone	DEF AT 5
11130 / 10576	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
11550 / 10995	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
11700 / 11145	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
11730 / 11175	DEF AT pyrite	DEF AT 4
11820 / 11265	DEF AT local marker foram increase	DEF AT 4
11850 / 11295	DEF AT foram flood	DEF AT 4
12000 / 11445	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
12240 / 11685	DEF AT - - - - -	DEF IN 3
12270 / 11715	DEF AT - - - - -	DEF AT 4
12450 / 11895	DEF AT - - - - -	DEF IN 3
12480 / 11925	DEF AT - - - - -	DEF AT 4
12630 / 12075	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12690 / 12135	DEF AT - - - - -	DEF IN 3
12750 / 12195	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 305	Date of Summary: 23-MAR-1999	First Sample Examined: 9100
Lease Number: G19935	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13972
API Well Number: 608174083400	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 48
Paleo Report Num: 1 of 2	Sample Range: 9100 - 14000	Water Depth: 7073
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Aconcagua Prospect

MD / TVD	Paleo Top Description	Ecozone
9100 / 9100	DEF AT first sample examined	POS AT 6
9101 / 9101	DEF IN cement	POS AT 6
9250 / 9250	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
10030 / 10030	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10330 / 10330	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
11440 / 11439	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
11830 / 11828	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
12310 / 12303	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
13660 / 13634	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
14000 / 13972	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 305	Date of Summary: 23-MAR-1999	First Sample Examined: 9100
Lease Number: G19935	Source of Paleo: OPERATOR	Borehole MD: 14000
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13972
API Well Number: 608174083400	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 48
Paleo Report Num: 2 of 2	Sample Range: 9100 - 14000	Water Depth: 7073
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Aconcagua Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
9100 / 9100	DEF AT first sample examined	DEF AT
9130 / 9130	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9190 / 9190	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9220 / 9220	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
9580 / 9580	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
10090 / 10090	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
10690 / 10690	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
10840 / 10840	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11230 / 11229	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11586 / 11585	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11935 / 11932	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
12100 / 12096	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
13690 / 13664	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14000 / 13972	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 305	Date of Summary: 10-MAY-2000	First Sample Examined: 9070
Lease Number: G19935	Source of Paleo: OPERATOR	Borehole MD: 14113
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13150
API Well Number: 608174087500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 9070 - 14113	Water Depth: 6997
Public Info Code: Y 28-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Aconcagua Prospect, very rare occurrences of Globorotalia fohsi robusta were noted through the interval 12060-12180 - these occurrences are believed to be out of place, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9070 / 9070	DEF AT first sample examined	DEF AT 6
9071 / 9071	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9870 / 9869	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10590 / 10576	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
10620 / 10606	DEF AT - - - - -	DEF AT 5
11400 / 11367	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 5
11910 / 11828	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
12090 / 11967	DEF AT - - - - -	DEF AT 4
13380 / 12738	DEF AT - - - - -	DEF AT 5
13440 / 12772	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14113 / 13150	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 348	Date of Summary: 09-SEP-1999	First Sample Examined: 0
Lease Number: G19939	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15080
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 15079
API Well Number: 608174084800	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 7209
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 10000	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
12000 / 11999	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
12950 / 12949	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Stratigraphic interval from 15990 to 18420 is overturned, important species are defined by First Appearance Datum (FAD), not Last Appearance Datum (LAD), Maastrichtian section exhibits unusual development which may define a remnant section eroded during a early Paleocene transgression prior to being overturned, actual age of interval 17130 TO 17310 may be Campanian, 15990=FAD Hedbergella trochoidea (mid-Aptian), 16140=FAD Favusella washitensis, 16320=FAD Globigerinelloides breggiensis, 16410=FAD Praeglobotruncana delrioensis, 16560=FAD R appenninica (latest Albian-earliest Cenomanian), 16620=FAD Whiteinella paradubia with R grennhornensis, R brotzeni and Praeglobotruncana stephani (latest Middle-Late Cenomanian), 16710=FAD Marginotruncana helvetica, 16770=FAD G fornicata with Marginotruncana angusticarenata, 16800=FAD Globotruncana elevata (latest Santonian-earliest Campanian, 16950=rare FAD Globotruncana ventricosa w/rare Pseudo elegans (Early Campanian), 17130=FAD Pseudoguembelina excolata w/Rugoglobigerina hexacamerata, both rare (Early Maastricht), 17190=FAD Globorot inconstans with Globorot pseudobulloides and Globigerina triloculinoides (Early Paleocene), 17340=FAD rare Globorot conicotruncata with rare Globorot praecursoria and Globorot trinidadensis (latest Early-earliest Late Paleocene), 17370=FAD Globorot chapmani w/Globorot pusilla (latest Early-earliest Late Paleocene), 17400=FAD Globorot pseudomenardii (earliest Late Paleocene), 17430=FAD Globigerina linaperta with Globorot velascoensis (mid-Late Paleocene, 17490=FAD Gborot subbotinae, 17520=FAD Gborot quetra, 17610=FAD rare Gborot pentacamerata w/rare Globigerina inaequispira, 17730=FAD Gborot bulbrookii, 17850=FAD Globigerinathea subconglobata, 17970=FAD Orbul beckmanni (P13), 18030=FAD G cerroazulensis, 18300=FAD G ciperensis, 18330=FAD G biniaensis, 18390=FAD G periphroacuta, 18420-18720 appears younger than the G fohsi series, probably Late/Middle Miocene

MD / TVD	Paleo Top Description	Ecozone
8550 / 8550	DEF AT first sample examined	DEF IN 6
8610 / 8610	DEF IN Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF IN 6
9330 / 9329	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF IN 6
9840 / 9839	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 6
12510 / 12448	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 6
15330 / 15085	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 6
15750 / 15481	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 6
15990 / 15707	DEF IN Lower Cretaceous Aptian Stage	DEF AT 3
16140 / 15848	DEF IN Lower Cretaceous Albian Stage	DEF AT 3
16320 / 16017	DEF IN Lower Cretaceous Albian Stage	DEF AT 3
16410 / 16102	DEF IN Lower Cretaceous Albian Stage	DEF AT 3
16470 / 16159	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16530 / 16215	DEF IN Lower Cretaceous Albian Stage	DEF AT 4
16560 / 16243	DEF IN Upper Cretaceous Cenomanian Stage	DEF AT 4
16620 / 16300	DEF IN Upper Cretaceous Cenomanian Stage	DEF AT 4
16710 / 16385	DEF IN Upper Cretaceous Turonian Stage	DEF AT 3
16770 / 16441	DEF IN Upper Cretaceous Santonian Stage	DEF AT 3
16800 / 16470	DEF IN Upper Cretaceous Campanian Stage	DEF AT 3
16950 / 16611	POS IN Upper Cretaceous Campanian Stage	DEF AT 3
17130 / 16780	DEF IN Upper Cretaceous Maastrichtian Stage	DEF AT 4
17190 / 16836	DEF IN Upper Cretaceous Maastrichtian Stage	DEF AT 4
17310 / 16949	DEF IN Paleocene	DEF AT 5
17340 / 16977	DEF IN Paleocene	DEF AT 5
17370 / 17005	DEF IN Paleocene	DEF AT 5
17400 / 17033	DEF IN Paleocene	DEF AT 5
17430 / 17061	DEF IN Paleocene	DEF AT 5
17490 / 17117	DEF IN Paleocene	DEF AT 5
17520 / 17145	DEF IN Lower (Early) Eocene	DEF AT 5
17610 / 17229	POS IN Lower (Early) Eocene	DEF AT 5
17730 / 17341	DEF IN Lower (Early) Eocene	DEF AT 5
17850 / 17453	DEF IN Middle Eocene	DEF AT 5
17970 / 17565	DEF IN Middle Eocene	DEF AT 5
18030 / 17621	DEF IN Upper (Late) Eocene	DEF AT 5
18300 / 17870	DEF IN Oligocene Vicksburg Group/Provincial Stage	DEF AT 5
18330 / 17898	DEF IN Oligocene Anahuac Formation/Provincial Stage	DEF AT 5
18390 / 17953	DEF IN Middle Miocene	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18420 / 17981	POS IN Middle Miocene	DEF AT 5
18720 / 18256	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 15870=FAD Nannoconus steinmanni, 16110=FAD Farhanian varolii, 16560=FAD Eprolithus floralis (Lower Cenomanian), 16680=FAD Lithraphidites acutus (Middle Cenomanian), 17040=FAD Broinsonia parca parca, 17310=FAD Coccolithus subpertusus (Danian or earliest Paleocene), 17370=FAD Cruciplacolithus tenuis, 17430=FAD Heliolithus kleinpellii (in late Paleocene), 17460=FAD Discoaster multiradiatus (in latest Paleocene), 17580=FAD Discoaster diastypus, 18000=first occurrence of Sphenolithus predistentus, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8550 / 8550	DEF AT first sample examined	DEF AT
8580 / 8580	POS AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
9270 / 9269	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
9870 / 9869	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11130 / 11127	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12300 / 12254	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12780 / 12698	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15360 / 15113	DEF AT Upper Miocene (Tortonian) Catinaaster mexicanus	DEF AT
15780 / 15509	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
15870 / 15594	DEF IN Lower Cretaceous Barremian Stage	DEF AT
16110 / 15819	DEF IN Lower Cretaceous Aptian Stage	DEF AT
16560 / 16243	DEF IN Lower Cretaceous Albian Stage	DEF AT
16680 / 16356	DEF IN Upper Cretaceous Cenomanian Stage	DEF AT
16740 / 16413	DEF AT Upper Cretaceous (Maastrichtian) Micula decussata	DEF AT
17040 / 16696	DEF IN Upper Cretaceous Campanian Stage	DEF AT
17310 / 16949	DEF IN Lower (Early) Paleocene	DEF AT
17370 / 17005	DEF IN Lower (Early) Paleocene	DEF AT
17430 / 17061	DEF IN Upper (Late) Paleocene	DEF AT
17460 / 17089	DEF IN Upper (Late) Paleocene	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 379	Date of Summary: 30-MAR-2000	First Sample Examined: 8550
Lease Number: G21167	Source of Paleo: OPERATOR	Borehole MD: 18720
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18256
API Well Number: 608174086500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8550 - 18720	Water Depth: 4316
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
17580 / 17201	DEF IN Lower (Early) Eocene	DEF AT
17880 / 17481	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
18000 / 17593	DEF AT Upper (Late) Eocene	DEF AT
18330 / 17898	DEF AT Oligocene Vicksburg Group/Provincial Stage	DEF AT
18390 / 17953	DEF AT Middle Miocene	DEF AT
18720 / 18256	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 382	Date of Summary: 05-DEC-2001	First Sample Examined: 7930
Lease Number: G21168	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17660
API Well Number: 608174094800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 7930 - 17660	Water Depth: 5432
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7930 / 7930	DEF AT first sample examined	DEF AT 6
7931 / 7931	POS IN Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 6
8380 / 8380	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9760 / 9760	DEF AT - - - - -	DEF AT 5
9850 / 9850	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11950 / 11950	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
12040 / 12040	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
13540 / 13539	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14620 / 14619	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
14980 / 14979	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15940 / 15939	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16510 / 16508	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
16990 / 16987	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17639 / 17635	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17660 / 17656	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 382	Date of Summary: 05-DEC-2001	First Sample Examined: 7930
Lease Number: G21168	Source of Paleo: OPERATOR	Borehole MD: 17660
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17660
API Well Number: 608174094800	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 7930 - 17660	Water Depth: 5432
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7930 / 7930	DEF AT first sample examined	DEF AT
8050 / 8050	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
8380 / 8380	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
9070 / 9070	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9670 / 9670	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
10000 / 10000	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11290 / 11290	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
11980 / 11980	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
12010 / 12010	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
12520 / 12520	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13510 / 13509	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14920 / 14919	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16030 / 16029	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16900 / 16897	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17660 / 17656	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 400	Date of Summary: 05-FEB-2002	First Sample Examined: 2640
Lease Number: G21755	Source of Paleo: OPERATOR	Borehole MD: 8207
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7933
API Well Number: 608174096100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2640 - 8220	Water Depth: 1139
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 7620=probably displaced by salt movement, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2640 / 2640	DEF AT first sample examined	DEF AT 4
3270 / 3269	DEF AT faunal change (no faunal increase)	DEF AT 5
3390 / 3388	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
4140 / 4114	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
4440 / 4392	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
6120 / 5972	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
6330 / 6170	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF AT 5
6720 / 6537	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7620 / 7383	POS IN Lower Pliocene (Zanclean) Globigerinoides mitra	DEF AT 5
7740 / 7496	DEF AT drilling material	DEF AT 5
7741 / 7497	DEF AT salt	DEF AT 5
8220 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 400	Date of Summary: 06-FEB-2002	First Sample Examined: 2640
Lease Number: G21755	Source of Paleo: OPERATOR	Borehole MD: 8207
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7933
API Well Number: 608174096100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2640 - 8220	Water Depth: 1139
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
2640 / 2640	DEF AT first sample examined	DEF AT
3390 / 3388	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4260 / 4225	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4560 / 4503	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4710 / 4643	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5400 / 5294	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5910 / 5775	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6120 / 5972	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6330 / 6170	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7050 / 6848	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
7590 / 7355	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7650 / 7411	DEF AT salt	DEF AT
8220 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 486	Date of Summary: 13-JUL-2000	First Sample Examined: 0
Lease Number: G06958	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 19300
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 8309
API Well Number: 608174087300	Drilling Operator: AEDC USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 582
Public Info Code: Y 06-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17046 / 7140	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 489	Date of Summary: 22-FEB-2008	First Sample Examined: 9990
Lease Number: G21762	Source of Paleo: OPERATOR	Borehole MD: 15719
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13974
API Well Number: 608174113500	Drilling Operator: LLOG EXPLORATION OFFSHORE LLC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 9990 - 15179	Water Depth: 2160
Public Info Code: Y 29-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9990 / 9970	DEF AT first sample examined	DEF AT 5
9991 / 9971	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
10140 / 10111	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
10230 / 10194	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
13259 / 12336	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
13260 / 12336	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14518 / 13159	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
14519 / 13160	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
14520 / 13160	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
14550 / 13180	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
14790 / 13338	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
14940 / 13438	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15179 / 13599	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - L	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5065 / 5064	DEF AT first sample examined	DEF AT 5
5125 / 5124	DEF AT - - - - -	DEF IN 5
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
5340 / 5339	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5730 / 5729	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF IN 5
5760 / 5759	DEF AT - - - - -	DEF AT 5
6330 / 6328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6540 / 6538	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6630 / 6628	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6660 / 6658	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
6720 / 6718	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6870 / 6868	DEF AT - - - - -	DEF AT 5
6900 / 6898	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
8640 / 8636	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9180 / 9175	DEF AT - - - - -	DEF AT 5
9360 / 9355	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9420 / 9415	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9510 / 9505	DEF AT - - - - -	DEF AT 6
9540 / 9535	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
9900 / 9895	DEF AT - - - - -	DEF AT 5
10620 / 10615	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
10740 / 10735	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - L	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10980 / 10975	DEF AT - - - - -	DEF AT 5
11400 / 11395	DEF AT - - - - -	DEF AT 6
13439 / 13431	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
13950 / 13942	POS AT - - - - -	DEF AT 5
14700 / 14690	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - L	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
5065 / 5064	DEF AT first sample examined	DEF AT
5370 / 5369	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5460 / 5459	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6330 / 6328	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6360 / 6358	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6540 / 6538	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6600 / 6598	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6660 / 6658	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6720 / 6718	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7020 / 7018	POS AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
7170 / 7168	POS AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
8540 / 8536	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
9450 / 9445	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
9480 / 9475	DEF AT Lower Pliocene (Zanclean) Amaurolithus tricorniculatus	DEF AT
9900 / 9895	DEF AT Lower Pliocene (Zanclean) Ceratolithus acutus	DEF AT
10800 / 10795	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11430 / 11425	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
12150 / 12144	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12750 / 12743	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13500 / 13492	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14700 / 14690	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 496	Date of Summary: 08-SEP-1998	First Sample Examined: 12040
Lease Number: G14005	Source of Paleo: OPERATOR	Borehole MD: 15100
Well Name: TA001	Paleo Done By: OPERATOR	Borehole TVD: 15096
API Well Number: 608174081700	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 3070 - 15100	Water Depth: 1804
Public Info Code: Y 25-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Zia Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12040 / 12039	DEF AT first sample examined	DEF AT
12041 / 12040	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12130 / 12129	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT
13060 / 13059	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13420 / 13419	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13750 / 13748	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14200 / 14198	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
15010 / 15006	DEF IN Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
15100 / 15096	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 496	Date of Summary: 10-SEP-1998	First Sample Examined: 11980
Lease Number: G14005	Source of Paleo: OPERATOR	Borehole MD: 15100
Well Name: TA001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 15096
API Well Number: 608174081700	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 11980 - 15070	Water Depth: 1804
Public Info Code: Y 25-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Zia Prospect

MD / TVD	Paleo Top Description	Ecozone
11980 / 11979	DEF AT first sample examined	DEF AT 4
11981 / 11980	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
12010 / 12009	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
12040 / 12039	DEF AT Lower Pliocene (Zanclian) Sigmoidina "P" / cf. schlumbergeri	DEF AT 4
12127 / 12126	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
12128 / 12127	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
12129 / 12128	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
12130 / 12129	DEF AT Upper Miocene (Messinian) Globorotalia janaei	DEF AT 4
14080 / 14078	POS IN Upper Miocene (Tortonian) Planulina renzi	DEF AT 4
14650 / 14647	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
15010 / 15006	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
15020 / 15016	DEF AT faunal change (no faunal increase)	DEF AT 4
15070 / 15066	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 496	Date of Summary: 07-JAN-1999	First Sample Examined: 14100
Lease Number: G14005	Source of Paleo: OPERATOR	Borehole MD: 21892
Well Name: TA001	Paleo Done By: LAURALEE R. REUGGER	Borehole TVD: 17178
API Well Number: 608174081702	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 14100 - 21892	Water Depth: 1804
Public Info Code: Y 06-DEC-2008	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
14100 / 13724	DEF AT first sample examined	DEF AT
14101 / 13725	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14250 / 13786	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20500 / 16380	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
21520 / 16955	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21580 / 16990	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
21892 / 17178	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 496	Date of Summary: 16-JUL-1999	First Sample Examined: 14100
Lease Number: G14005	Source of Paleo: OPERATOR	Borehole MD: 21892
Well Name: TA001	Paleo Done By: OPERATOR	Borehole TVD: 17178
API Well Number: 608174081702	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 12360 - 21892	Water Depth: 1804
Public Info Code: Y 06-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14100 / 13724	DEF AT first sample examined	DEF AT 4
14101 / 13725	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 4
16350 / 14619	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
17260 / 15011	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 4
20500 / 16380	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
21520 / 16955	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
21580 / 16990	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
21892 / 17178	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 508	Date of Summary: 02-JAN-2004	First Sample Examined: 14850
Lease Number: G21764	Source of Paleo: OPERATOR	Borehole MD: 21613
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 21600
API Well Number: 608174102300	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 14850 - 21600	Water Depth: 3989
Public Info Code: Y 27-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Hawkes Prospect, calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
14850 / 14848	DEF AT first sample examined	DEF AT
14851 / 14849	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14947 / 14945	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14957 / 14955	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14958 / 14956	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16440 / 16438	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16620 / 16618	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
18180 / 18177	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
18660 / 18657	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19200 / 19196	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
19440 / 19436	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19560 / 19556	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
19620 / 19616	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
20960 / 20951	DEF AT local marker floral increase	DEF AT
21150 / 21140	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
21240 / 21229	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21480 / 21468	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21510 / 21498	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21600 / 21587	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 509	Date of Summary: 01-MAR-2002	First Sample Examined: 10010
Lease Number: G21765	Source of Paleo: OPERATOR	Borehole MD: 23143
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23128
API Well Number: 608174093900	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 10010 - 23173	Water Depth: 4174
Public Info Code: Y 27-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Hawkes Prospect, company-integrated foram and nanno report by T C Huang and C Liu, the sequence stratigraphic zonations of Hardenbol et al (1998) found in the well are summarized in their report

MD / TVD	Paleo Top Description	Ecozone
10010 / 10009	DEF AT first sample examined	DEF AT 5
10011 / 10010	DEF IN Lower Pliocene (Zancian) Ceratolithus armatus	DEF AT 5
10370 / 10369	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
10790 / 10789	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11100 / 11099	DEF AT - - - - -	DEF AT 6
13340 / 13339	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
13760 / 13759	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
13880 / 13879	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
14420 / 14418	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT 6
14870 / 14868	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
16100 / 16098	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 6
16160 / 16158	DEF IN Upper Miocene (Tortonian) Reticulofenestra pseudoumbilica "C"	DEF AT 6
16220 / 16218	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
17090 / 17088	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 6
17780 / 17778	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
18229 / 18227	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
18230 / 18228	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
20510 / 20508	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT 6
20620 / 20618	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
20650 / 20648	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
21609 / 21600	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 509	Date of Summary: 01-MAR-2002	First Sample Examined: 10010
Lease Number: G21765	Source of Paleo: OPERATOR	Borehole MD: 23143
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23128
API Well Number: 608174093900	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 10010 - 23173	Water Depth: 4174
Public Info Code: Y 27-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
21610 / 21601	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 6
22140 / 22128	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
22170 / 22158	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
23130 / 23114	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
23173 /	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 522	Date of Summary: 22-NOV-1999	First Sample Examined: 15790
Lease Number: G08823	Source of Paleo: OPERATOR	Borehole MD: 17100
Well Name: F002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 16615
API Well Number: 608174085800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 15790 - 17100	Water Depth: 6944
Public Info Code: Y 14-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
15790 / 15488	DEF AT first sample examined	DEF AT 5
15880 / 15564	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
16000 / 15665	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16030 / 15690	DEF AT turbid water facies	DEF AT 5
16150 / 15790	DEF AT local marker planktic foram increase	DEF AT 5
16180 / 15816	DEF AT - - - - -	DEF AT 5
16450 / 16046	DEF AT turbid water facies	DEF AT 5
16480 / 16071	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16500 / 16088	DEF AT turbid water facies	DEF AT 5
16570 / 16149	DEF AT siltstone	DEF AT 5
17050 / 16571	DEF AT turbid water facies	DEF AT 5
17080 / 16597	DEF AT out-of-place section	DEF AT 5
17100 / 16615	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 522	Date of Summary: 24-NOV-1999	First Sample Examined: 16790
Lease Number: G08823	Source of Paleo: OPERATOR	Borehole MD: 17100
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 16615
API Well Number: 608174085800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 15790 - 17100	Water Depth: 6944
Public Info Code: Y 14-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15790 / 15488	DEF AT first sample examined	DEF AT 4
15791 / 15489	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
15880 / 15564	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
16480 / 16071	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
17100 / 16615	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 522	Date of Summary: 09-DEC-1999	First Sample Examined: 16790
Lease Number: G08823	Source of Paleo: OPERATOR	Borehole MD: 18261
Well Name: F002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17829
API Well Number: 608174085801	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 16790 - 18230	Water Depth: 6944
Public Info Code: Y 26-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
16790 / 16359	DEF AT sand	DEF AT
16910 / 16479	DEF AT turbid water facies	DEF AT
17000 / 16569	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
17001 / 16570	DEF AT Arenaceous fauna (local marker)	DEF IN 4
17059 / 16628	DEF AT pyrite	DEF IN 4
17060 / 16629	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF IN 4
17210 / 16779	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 4
17300 / 16869	DEF AT sand	DEF IN 4
17398 / 16966	DEF AT - - - - -	DEF AT 0
17450 / 17018	DEF AT - - - - -	DEF IN 4
17630 / 17198	DEF AT turbid water facies	DEF AT
17660 / 17228	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 4
17780 / 17348	DEF AT - - - - -	DEF AT 0
17930 / 17498	DEF AT - - - - -	DEF IN 4
17960 / 17528	DEF AT - - - - -	DEF AT 0
17990 / 17558	DEF AT - - - - -	DEF IN 4
18050 / 17618	DEF AT turbid water facies	DEF AT
18200 / 17768	DEF AT sandstone	DEF AT
18230 / 17798	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 522	Date of Summary: 09-DEC-1999	First Sample Examined: 16790
Lease Number: G08823	Source of Paleo: OPERATOR	Borehole MD: 18261
Well Name: F002	Paleo Done By: OPERATOR	Borehole TVD: 17829
API Well Number: 608174085801	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 16790 - 18260	Water Depth: 6944
Public Info Code: Y 26-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
16790 / 16359	DEF AT first sample examined	DEF AT 4
16791 / 16360	POS AT reworked material	DEF AT 4
16792 / 16361	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 4
16940 / 16509	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
17000 / 16569	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
17030 / 16599	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 4
17210 / 16779	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 4
17270 / 16839	POS AT reworked material	DEF AT 4
17271 / 16840	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
17660 / 17228	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
18230 / 17798	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
18260 / 17828	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 553	Date of Summary: 11-FEB-2000	First Sample Examined: 5960
Lease Number: G21175	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 608174086300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 5960 - 16600	Water Depth: 4513
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5960 / 5960	DEF AT first sample examined	DEF AT 4
8180 / 8180	DEF AT - - - - -	DEF AT 5
8480 / 8480	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8540 / 8540	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8990 / 8990	DEF AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 5
9050 / 9050	DEF AT - - - - -	DEF IN 5
9380 / 9380	DEF AT - - - - -	DEF AT 5
9710 / 9710	POS IN Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
9830 / 9830	DEF AT - - - - -	DEF AT 6
10880 / 10879	DEF AT - - - - -	DEF AT 5
10910 / 10909	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
12710 / 12709	DEF AT - - - - -	DEF AT 6
13100 / 13099	DEF AT - - - - -	DEF AT 5
13640 / 13639	DEF AT out-of-place section	DEF AT
14000 / 13999	DEF AT - - - - -	DEF AT 4
15650 / 15649	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
15860 / 15859	DEF AT - - - - -	DEF AT 5
16250 / 16249	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
16600 / 16599	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 553	Date of Summary: 11-FEB-2000	First Sample Examined: 5960
Lease Number: G21175	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16600
API Well Number: 608174086300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 5960 - 16600	Water Depth: 4513
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5960 / 5960	DEF AT first sample examined	DEF AT
7940 / 7940	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8119 / 8119	POS AT out-of-place section	DEF AT
8120 / 8120	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
8389 / 8389	POS AT out-of-place section	DEF AT
8390 / 8390	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8391 / 8391	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8480 / 8480	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8540 / 8540	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8930 / 8930	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9620 / 9620	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9680 / 9680	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10310 / 10309	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
11210 / 11209	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12020 / 12019	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13610 / 13609	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13970 / 13969	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
13971 / 13970	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15830 / 15829	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16600 / 16599	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 555	Date of Summary: 01-MAR-2002	First Sample Examined: 10430
Lease Number: G21770	Source of Paleo: OPERATOR	Borehole MD: 23105
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23102
API Well Number: 608174094001	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 10430 - 23105	Water Depth: 4749
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Timberwolf Prospect, company-integrated foram and nanno report, 16490=Upper Miocene first acme of Reticulofenestra C, 17930=Upper Miocene Discoaster transitus, 20410=Middle Miocene Globorotalia birnageae, see report for summary table of age-diagnostic bioevents and sequence stratigraphic identification from 22520 to 23105, pelagic ooze and clay predominates in lower bathyal to abyssal environments

MD / TVD	Paleo Top Description	Ecozone
10430 / 10429	DEF AT first sample examined	DEF AT 5
10431 / 10430	DEF AT Lower Pliocene (Zancian) Ceratolithus armatus	DEF AT 5
10910 / 10909	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
13370 / 13368	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
13670 / 13668	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
14090 / 14088	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
14990 / 14988	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
15560 / 15558	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
16490 / 16488	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
16550 / 16548	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
17450 / 17448	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
17930 / 17928	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT 6
18110 / 18108	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
18589 / 18587	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
18590 / 18588	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
19429 / 19427	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
19430 / 19428	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
20030 / 20028	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20410 / 20408	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
20810 / 20808	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 555	Date of Summary: 01-MAR-2002	First Sample Examined: 10430
Lease Number: G21770	Source of Paleo: OPERATOR	Borehole MD: 23105
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23102
API Well Number: 608174094001	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 10430 - 23105	Water Depth: 4749
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20850 / 20848	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
21420 / 21418	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
21780 / 21777	DEF IN Middle Miocene (Serravallian) Calcidiscus premacintyre	DEF AT 6
21800 / 21797	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
22060 / 22057	DEF AT faunal change (no faunal increase)	DEF AT 5
22100 / 22097	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
22520 / 22517	DEF AT faunal change (no faunal increase)	DEF AT 6
22600 / 22597	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
22820 / 22817	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
22860 / 22857	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
22920 / 22917	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
22940 / 22937	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 6
22980 / 22977	DEF AT Upper Eocene (Priabonian) Discoaster barbadiens	DEF AT 6
22990 / 22987	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 6
23060 / 23057	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrook	DEF AT 6
23070 / 23067	DEF AT Middle Eocene (Bartonian) Sphenolithus radians	DEF AT 6
23105 / 23102	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 561	Date of Summary: 27-JUL-2001	First Sample Examined: 0
Lease Number: G19965	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14774
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14774
API Well Number: 608174092800	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 6308
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12880 / 12880	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
13780 / 13779	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
13960 / 13959	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14170 / 14169	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 561	Date of Summary: 30-AUG-2001	First Sample Examined: 0
Lease Number: G19965	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15603
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15598
API Well Number: 608174092801	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 73
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 6266
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13120 / 13119	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT
14230 / 14225	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 561	Date of Summary: 10-SEP-2008	First Sample Examined: 9045
Lease Number: G19965	Source of Paleo: OPERATOR	Borehole MD: 14900
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14899
API Well Number: 608174114700	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9045 - 14920	Water Depth: 6302
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9045 / 9045	DEF AT first sample examined	DEF AT 5
9046 / 9046	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
9047 / 9047	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9349 / 9349	POS AT maximum flooding surface	DEF AT 5
9350 / 9350	POS IN Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
9680 / 9680	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9888 / 9888	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
9889 / 9889	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9950 / 9950	DEF AT - - - - -	POS AT 6
9979 / 9979	POS AT maximum flooding surface	POS AT 6
9980 / 9980	POS AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	POS AT 6
10100 / 10100	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	POS AT 6
10370 / 10370	POS AT maximum flooding surface	POS AT 6
10400 / 10400	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS AT 6
10430 / 10430	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	POS AT 6
10640 / 10640	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 6
10670 / 10670	DEF AT maximum flooding surface	POS AT 6
10720 / 10720	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	POS AT 6
11079 / 11079	POS AT maximum flooding surface	POS AT 6
11080 / 11080	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	POS AT 6
11620 / 11619	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 561	Date of Summary: 10-SEP-2008	First Sample Examined: 9045
Lease Number: G19965	Source of Paleo: OPERATOR	Borehole MD: 14900
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14899
API Well Number: 608174114700	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9045 - 14920	Water Depth: 6302
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11679 / 11678	DEF AT maximum flooding surface	DEF AT 5
11680 / 11679	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
12700 / 12699	POS AT sequence boundary	DEF AT 5
12969 / 12968	POS AT maximum flooding surface	DEF AT 5
12970 / 12969	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
13030 / 13029	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
13240 / 13239	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13329 / 13328	DEF AT unconformity	DEF AT 5
13330 / 13329	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
13480 / 13479	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
13540 / 13539	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
13870 / 13869	POS AT sequence boundary	DEF AT 4
13959 / 13958	DEF AT maximum flooding surface	DEF AT 4
13960 / 13959	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
14289 / 14288	POS AT maximum flooding surface	DEF AT 4
14290 / 14289	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
14650 / 14649	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
14920 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 561	Date of Summary: 21-JUL-2008	First Sample Examined: 14506
Lease Number: G19965	Source of Paleo: OPERATOR	Borehole MD: 19885
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19883
API Well Number: 608174114701	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14506 - 19880	Water Depth: 6302
Public Info Code: Y 08-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14506 / 14505	DEF AT first sample examined	DEF AT 4
14530 / 14529	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
17000 / 16998	POS AT sequence boundary	DEF AT 4
17090 / 17088	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
17208 / 17206	POS AT maximum flooding surface	DEF AT 5
17209 / 17207	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
17210 / 17208	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
17240 / 17238	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
17420 / 17418	DEF AT - - - - -	DEF AT 4
18200 / 18198	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
19220 / 19218	POS AT maximum flooding surface	DEF AT 6
19250 / 19248	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
19340 / 19338	DEF AT - - - - -	DEF AT 5
19520 / 19518	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
19699 / 19697	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
19700 / 19698	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
19880 / 19878	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 07-JUN-2000	First Sample Examined: 7100
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10293
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9300
API Well Number: 608174087401	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 7100 - 10293	Water Depth: 2223
Public Info Code: Y 26-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
7100 / 6746	DEF AT first sample examined	DEF AT 5
7101 / 6746	DEF IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
7880 / 7403	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7910 / 7428	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7940 / 7454	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
8120 / 7604	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8210 / 7677	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
8299 / 7749	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
8300 / 7749	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8479 / 7890	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
8480 / 7891	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
8690 / 8050	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10293 / 9300	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 09-JUN-2000	First Sample Examined: 7100
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10293
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9300
API Well Number: 608174087401	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 7100 - 10293	Water Depth: 2223
Public Info Code: Y 26-MAR-2010	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7100 / 6746	DEF AT first sample examined	DEF AT
7640 / 7199	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7880 / 7403	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
7940 / 7454	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8030 / 7529	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8090 / 7579	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8150 / 7628	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8359 / 7796	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
8360 / 7797	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
8540 / 7936	DEF AT Lower Pliocene (Zancian) Pseudosphenolithus abies "B" (acme)	DEF AT
9950 / 9035	DEF AT Lower Pliocene (Zancian) Sphenolithus abies "B"	DEF AT
10293 / 9300	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 07-JUN-2000	First Sample Examined: 10280
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10971
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9800
API Well Number: 608174087402	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 10280 - 10971	Water Depth: 2223
Public Info Code: Y 28-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 / 9268	DEF AT first sample examined	DEF AT 5
10281 / 9269	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10282 / 9269	DEF IN Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 5
10971 / 9800	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 09-JUN-2000	First Sample Examined: 10310
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 10971
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9800
API Well Number: 608174087402	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 10310 - 10971	Water Depth: 2223
Public Info Code: Y 28-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10310 / 9292	DEF AT first sample examined	DEF AT
10880 / 9734	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10971 / 9800	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 07-JUN-2000	First Sample Examined: 10270
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12402
API Well Number: 608174087404	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 10270 - 14100	Water Depth: 2223
Public Info Code: Y 23-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
10270 / 9260	DEF AT first sample examined	DEF AT 5
10570 / 9509	POS IN Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
10690 / 9607	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10780 / 9680	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10810 / 9705	DEF AT local marker benthic foram increase	DEF AT 5
10900 / 9778	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11030 / 9883	DEF AT local marker foram increase	DEF IN 5
11090 / 9931	DEF AT faunal change (no faunal increase)	DEF AT 6
11420 / 10196	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
11930 / 10606	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12320 / 10923	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
12650 / 11192	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
14060 / 12368	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 6
14100 / 12402	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 09-JUN-2000	First Sample Examined: 10270
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12402
API Well Number: 608174087404	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 10270 - 14100	Water Depth: 2223
Public Info Code: Y 23-MAY-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10270 / 9260	DEF AT first sample examined	DEF AT
10271 / 9261	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
11000 / 9858	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11360 / 10148	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12290 / 10899	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12980 / 11465	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
14100 / 12402	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 23-NOV-1999	First Sample Examined: 5760
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 12115
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10446
API Well Number: 608174085202	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 5760 - 12115	Water Depth: 2223
Public Info Code: Y 14-DEC-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5760 / 5760	DEF AT first sample examined	DEF AT
6120 / 6119	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
6330 / 6327	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7690 / 7555	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7720 / 7577	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
7930 / 7726	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8020 / 7785	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
8080 / 7822	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8350 / 7983	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
8530 / 8091	DEF AT Lower Pliocene (Zanclean) Pseudosphenolithus abies "B" (acme)	DEF AT
10960 / 9668	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies "B"	DEF AT
12115 / 10446	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 24-NOV-1999	First Sample Examined: 5760
Lease Number: G16614	Source of Paleo: OPERATOR	Borehole MD: 12115
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10446
API Well Number: 608174085202	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 5760 - 12115	Water Depth: 2223
Public Info Code: Y 14-DEC-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
5760 / 5760	DEF AT first sample examined	DEF AT 5
6060 / 6059	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
6120 / 6119	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
6880 / 6854	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
7000 / 6965	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
7630 / 7509	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7930 / 7726	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8139 / 7858	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
8140 / 7858	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
8259 / 7929	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF IN 5
8260 / 7930	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
8380 / 8001	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
8470 / 8055	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
8860 / 8288	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
8980 / 8364	DEF AT poor sample interval top	POS IN 5
11620 / 10110	DEF AT poor sample interval bottom	DEF IN 5
12115 / 10446	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 25-OCT-1999	First Sample Examined: 6210
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 16950
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15621
API Well Number: 608174085200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 1 of 2	Sample Range: 6210 - 16950	Water Depth: 2223
Public Info Code: Y 16-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
6210 / 6210	DEF AT first sample examined	DEF IN 5
6211 / 6211	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
6450 / 6450	DEF AT - - - - -	DEF AT 5
6540 / 6540	DEF AT - - - - -	DEF AT 4
6810 / 6810	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
7650 / 7650	DEF AT - - - - -	DEF AT 5
7680 / 7680	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
7740 / 7740	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
7860 / 7859	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8190 / 8188	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10620 / 10436	DEF AT - - - - -	DEF AT 6
10650 / 10460	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10710 / 10508	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 6
11280 / 10968	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11790 / 11381	DEF AT - - - - -	DEF AT 5
12930 / 12313	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
16110 / 14916	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
16950 / 15621	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 582	Date of Summary: 25-OCT-1999	First Sample Examined: 6210
Lease Number: G16623	Source of Paleo: OPERATOR	Borehole MD: 16950
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15621
API Well Number: 608174085200	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 6210 - 16950	Water Depth: 2223
Public Info Code: Y 16-NOV-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6210 / 6210	DEF AT first sample examined	DEF AT
6211 / 6211	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7530 / 7530	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7680 / 7680	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7710 / 7710	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7740 / 7740	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7770 / 7770	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7800 / 7800	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8010 / 8009	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
8190 / 8188	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9600 / 9566	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10710 / 10508	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11310 / 10992	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12840 / 12239	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
14100 / 13260	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
16080 / 14892	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16500 / 15237	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16620 / 15338	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
16650 / 15363	DEF AT salt	DEF AT
16950 / 15621	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 583	Date of Summary: 01-NOV-1998	First Sample Examined: 4058
Lease Number: G16624	Source of Paleo: OPERATOR	Borehole MD: 11300
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 11300
API Well Number: 608174081800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 4058 - 11270	Water Depth: 2485
Public Info Code: Y 22-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, 6520=Globorotalia tosaensis acme, 11200=Globigerina mitra (low)

MD / TVD	Paleo Top Description	Ecozone
4058 / 4058	DEF AT first sample examined	DEF IN 4
4059 / 4059	DEF AT Middle Pleistocene (Ionian) Crenalithus doronicoides (flood)	DEF IN 4
4060 / 4060	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT
5260 / 5259	DEF AT Upper Pleistocene (Ionian) Helicosphaera inversa	DEF IN 4
5650 / 5649	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
6520 / 6519	DEF AT local marker planktic foram increase	DEF IN 4
6521 / 6520	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 4
7420 / 7418	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana annula (large)	DEF IN 4
7480 / 7478	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF IN 4
7540 / 7538	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF IN 4
7570 / 7568	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF IN 4
7750 / 7748	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
7840 / 7838	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 4
7900 / 7898	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
8020 / 8018	DEF AT reworked material	DEF IN 4
8021 / 8019	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
8080 / 8078	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF IN 4
8083 / 8081	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF IN 4
8084 / 8082	DEF IN Lower Pliocene (Zancian) Globorotalia margaritae	DEF IN 4
8410 / 8408	DEF AT local marker floral increase	DEF IN 4
9040 / 9038	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF IN 4
9820 / 9818	DEF IN Lower Pliocene (Zancian) Globigerina nepenthes	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 583	Date of Summary: 01-NOV-1998	First Sample Examined: 4058
Lease Number: G16624	Source of Paleo: OPERATOR	Borehole MD: 11300
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 11300
API Well Number: 608174081800	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 4058 - 11270	Water Depth: 2485
Public Info Code: Y 22-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10090 / 10088	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF IN 4
10300 / 10298	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF IN 4
11170 / 11167	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF IN 4
11171 / 11168	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF IN 4
11200 / 11197	DEF AT local marker (general)	DEF IN 4
11270 / 11267	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 595	Date of Summary: 08-JAN-2001	First Sample Examined: 8035
Lease Number: G21177	Source of Paleo: OPERATOR	Borehole MD: 15725
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15240
API Well Number: 608174089800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 8035 - 15698	Water Depth: 4608
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8035 / 8035	DEF AT first sample examined	DEF AT 5
8070 / 8070	DEF IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
8340 / 8340	DEF AT faunal change (no faunal increase)	DEF IN 5
8520 / 8520	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9210 / 9210	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9480 / 9480	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11040 / 11040	DEF AT faunal change (no faunal increase)	DEF AT 5
12290 / 12277	DEF AT faunal change (no faunal increase)	DEF IN 5
12500 / 12471	DEF AT faunal change (no faunal increase)	DEF AT 5
14120 / 13862	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 5
14510 / 14195	DEF AT faunal change (no faunal increase)	DEF IN 5
14870 / 14504	DEF AT faunal change (no faunal increase)	DEF AT 5
15200 / 14789	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15320 / 14892	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
15698 / 15217	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 595	Date of Summary: 08-JAN-2001	First Sample Examined: 8035
Lease Number: G21177	Source of Paleo: OPERATOR	Borehole MD: 15725
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15240
API Well Number: 608174089800	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 8035 - 15698	Water Depth: 4608
Public Info Code: Y 31-MAY-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8035 / 8035	DEF AT first sample examined	DEF AT
8036 / 8036	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8310 / 8310	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
8820 / 8820	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9210 / 9210	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9450 / 9450	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11070 / 11070	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12230 / 12220	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14210 / 13939	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
14330 / 14042	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14540 / 14220	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
15698 / 15217	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 687	Date of Summary: 18-JUN-1998	First Sample Examined: 13130
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 20574
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19101
API Well Number: 608174054000	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13130 - 20573	Water Depth: 5292
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
13220 / 13219	DEF AT first sample examined	POS AT 4
13250 / 13249	DEF AT faunal change (no faunal increase)	DEF AT 4
13370 / 13369	DEF AT faunal change (no faunal increase)	DEF IN 3
13430 / 13429	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 3
13520 / 13518	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 3
13610 / 13607	DEF AT local marker foram increase	DEF AT 4
13910 / 13898	DEF AT faunal change (no faunal increase)	DEF IN 3
14090 / 14067	DEF AT faunal change (no faunal increase)	DEF AT 4
14180 / 14149	DEF AT faunal change (no faunal increase)	DEF IN 3
14300 / 14256	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
14390 / 14334	DEF AT faunal change (no faunal increase)	DEF IN 3
14450 / 14384	DEF AT Arenaceous fauna (local marker)	DEF IN 3
14540 / 14457	DEF AT faunal change (no faunal increase)	DEF AT 4
14630 / 14527	DEF AT faunal change (no faunal increase)	POS AT 4
14780 / 14641	DEF AT faunal change (no faunal increase)	DEF IN 3
14810 / 14663	POS AT local marker foram increase	DEF IN 3
14870 / 14708	DEF AT faunal change (no faunal increase)	DEF AT 4
15140 / 14908	DEF AT faunal change (no faunal increase)	DEF IN 3
15320 / 15042	DEF AT sample gap top	POS IN 3
15331 / 15050	DEF AT sample gap bottom	DEF AT 3
15480 / 15162	DEF AT faunal change (no faunal increase)	POS AT 4
16260 / 15770	DEF AT local marker foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 687	Date of Summary: 18-JUN-1998	First Sample Examined: 13130
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 20574
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19101
API Well Number: 608174054000	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13130 - 20573	Water Depth: 5292
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
19170 / 18000	DEF AT faunal change (no faunal increase)	DEF IN 3
19200 / 18023	DEF AT faunal change (no faunal increase)	DEF AT 4
19410 / 18183	DEF AT faunal change (no faunal increase)	DEF AT 4
19680 / 18393	DEF AT local marker foram increase	DEF AT 4
19681 / 18394	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
19770 / 18466	DEF AT local marker foram increase	DEF AT 4
20250 / 18846	DEF AT sample gap top	POS AT 4
20400 / 18963	DEF AT sample gap bottom	DEF AT 4
20573 / 19100	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 687	Date of Summary: 28-OCT-1998	First Sample Examined: 13130
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 20574
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 19101
API Well Number: 608174054000	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13130 - 20573	Water Depth: 5292
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
13130 / 13129	DEF AT first sample examined	POS IN 3
14210 / 14176	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
14211 / 14177	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
14300 / 14256	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
15899 / 15486	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
15900 / 15487	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
15930 / 15511	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
15931 / 15512	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
17160 / 16468	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
17161 / 16468	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
18780 / 17703	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
19740 / 18442	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
19741 / 18443	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
20573 / 19100	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 7846
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 1 of 4	Sample Range: 7846 - 12074	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: The section between 9910 and 10150 is condensed but apparently complete, expanded as compared to Mississippi Canyon Block 755, well 1, 10360=first four-chambered Sphaeroidinellopsis seminulina, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7846 / 7631	DEF AT first sample examined	DEF AT 6
7847 / 7631	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
8080 / 7818	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
8530 / 8177	DEF AT faunal change (no faunal increase)	DEF AT 5
8800 / 8389	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9220 / 8726	DEF AT local marker planktic foram increase	DEF AT 6
9430 / 8898	DEF AT reworked material	DEF AT 5
9580 / 9025	DEF AT reworked material	DEF AT 5
9760 / 9181	DEF AT local marker foram increase	DEF AT 6
9850 / 9260	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
9910 / 9313	DEF AT condensed section	DEF AT 6
9911 / 9314	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
9970 / 9367	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
10000 / 9394	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 6
10060 / 9448	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 6
10150 / 9530	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
10151 / 9531	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
10210 / 9585	POS AT Lower Pliocene (Zancian) Buccella (Eponides) hannai (acme)	DEF AT 6
10240 / 9613	DEF AT faunal change (no faunal increase)	DEF AT 5
10360 / 9724	DEF AT local marker planktic foram increase	DEF AT 5
10750 / 10095	DEF AT cement	POS AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 7846
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 1 of 4	Sample Range: 7846 - 12074	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10810 / 10152	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11770 / 11098	DEF AT faunal change (no faunal increase)	DEF AT 4
11950 / 11278	DEF AT local marker foram increase	DEF AT 5
12070 / 11397	DEF AT faunal change (no faunal increase)	POS AT 5
12074 / 11401	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 12080
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 2 of 4	Sample Range: 12080 - 13073	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Bypass 1 report, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12080 / 11407	DEF AT first sample examined	DEF AT
12490 / 11817	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
12520 / 11847	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
12580 / 11907	DEF AT local marker foram increase	DEF AT 5
12640 / 11967	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12700 / 12027	DEF AT - - - - -	DEF AT 6
12820 / 12147	DEF AT local marker foram increase	DEF AT 6
12850 / 12177	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
13073 / 12400	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 7846
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 3 of 4	Sample Range: 7846 - 12074	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 11560=Helicosphaera rhomba consistent (local), nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7846 / 7631	DEF AT first sample examined	DEF AT
7847 / 7631	DEF IN Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
7870 / 7650	DEF AT local marker floral increase	DEF AT
7990 / 7745	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8050 / 7793	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
8080 / 7818	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9280 / 8775	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9760 / 9181	DEF AT local marker floral increase	DEF AT
9880 / 9287	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9910 / 9313	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10030 / 9421	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10090 / 9476	DEF IN Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
10150 / 9530	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
10330 / 9696	DEF AT reworked material	DEF AT
10331 / 9697	POS AT Upper (Late) Miocene	DEF AT
10390 / 9752	DEF AT Lower Pliocene (Zancian) Sphenolithus abies (acme)	DEF AT
10630 / 9980	DEF AT Lower Pliocene (Zancian) Sphenolithus grandis	DEF AT
11350 / 10680	DEF AT Lower Pliocene (Zancian) Dictyococcites antarcticus	DEF AT
11560 / 10888	DEF AT Lower Pliocene (Zancian) Sphenolithus abies (acme)	DEF AT
12070 / 11397	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 01-FEB-1999	First Sample Examined: 12070
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 13073
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12400
API Well Number: 608174083000	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 4 of 4	Sample Range: 11481 - 13073	Water Depth: 2955
Public Info Code: Y 15-FEB-2009	Ecozone Eq MMS:	Paleo ID: 004

Remark: Calcareous nannofossil report for bypass 1, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12070 / 11397	DEF AT first sample examined	DEF AT
12610 / 11937	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
13060 / 12387	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 01-JUN-2000	First Sample Examined: 11500
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11838
API Well Number: 608174087600	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 11500 - 12590	Water Depth: 2972
Public Info Code: Y 03-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
11500 / 10842	DEF AT first sample examined	DEF AT 4
11501 / 10843	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
11560 / 10895	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
11620 / 10947	DEF AT local marker (general)	DEF AT 4
11709 / 11026	DEF AT limestone	DEF AT 5
11710 / 11027	DEF AT local marker foram increase	DEF AT 5
11770 / 11080	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
11800 / 11107	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
11830 / 11134	DEF AT pyrite	DEF AT 5
11831 / 11135	DEF AT limestone	DEF AT 5
11890 / 11189	DEF AT local marker planktic foram increase	DEF AT 5
11980 / 11271	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12010 / 11299	DEF AT local marker planktic foram increase	DEF AT 5
12040 / 11326	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 5
12070 / 11353	DEF AT pyrite	DEF AT 5
12280 / 11545	DEF AT pyrite	DEF AT 5
12410 / 11663	DEF AT - - - - -	DEF AT 4
12500 / 11746	DEF AT sand	DEF AT 4
12590 / 11828	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 01-JUL-2000	First Sample Examined: 11500
Lease Number: G14016	Source of Paleo: OPERATOR	Borehole MD: 12600
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11838
API Well Number: 608174087600	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 11500 - 12590	Water Depth: 2972
Public Info Code: Y 03-JUL-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
11500 / 10842	DEF AT first sample examined	DEF AT
11501 / 10843	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT
11710 / 11027	DEF AT reworked material	DEF AT
11830 / 11134	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
12010 / 11299	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
12250 / 11517	DEF AT reworked material	DEF AT
12560 / 11801	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 711	Date of Summary: 29-NOV-2000	First Sample Examined: 0
Lease Number: G14016	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13146
Well Name: SS005	Paleo Done By: OPERATOR	Borehole TVD: 13140
API Well Number: 608174089600	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 2951
Public Info Code: Y 24-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9120 / 9115	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
9360 / 9355	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9450 / 9445	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
10800 / 10794	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT
11800 / 11794	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT
12330 / 12324	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
12570 / 12564	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 751	Date of Summary: 15-JAN-2003	First Sample Examined: 4070
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 10986
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10971
API Well Number: 608174100400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4070 - 10986	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4070 / 4070	DEF AT first sample examined	DEF AT 4
5900 / 5900	DEF AT sample gap top	POS AT 4
6350 / 6350	DEF AT sample gap bottom	DEF AT 5
7130 / 7130	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8450 / 8450	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10039 / 10039	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
10040 / 10040	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10130 / 10130	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10340 / 10339	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
10986 / 10985	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 751	Date of Summary: 15-JAN-2003	First Sample Examined: 4070
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 10986
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10971
API Well Number: 608174100400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 4070 - 10986	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4070 / 4070	DEF AT first sample examined	DEF AT
5900 / 5900	DEF AT sample gap top	DEF AT
6350 / 6350	DEF AT sample gap bottom	DEF AT
7910 / 7910	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8420 / 8420	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8960 / 8960	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10130 / 10130	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10250 / 10250	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
10985 / 10984	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 751	Date of Summary: 22-JAN-2003	First Sample Examined: 10820
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 14288
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14256
API Well Number: 608174100401	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 10820 - 14288	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 / 10805	DEF AT first sample examined	DEF AT 5
11960 / 11936	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
12140 / 12113	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
12650 / 12619	DEF AT faunal change (no faunal increase)	DEF AT 5
14288 / 14256	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 751	Date of Summary: 23-JAN-2003	First Sample Examined: 10820
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 14288
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14256
API Well Number: 608174100401	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 10820 - 14288	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 / 10805	DEF AT first sample examined	DEF AT
11510 / 11492	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11990 / 11965	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12140 / 12113	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14060 / 14028	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14288 / 14256	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 5340
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 17580	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: 8160=Globorotalia incisa acme

MD / TVD	Paleo Top Description	Ecozone
5340 / 5340	DEF AT first sample examined	POS AT 3
5430 / 5430	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
5580 / 5580	DEF AT local marker foram decrease	DEF AT 3
5640 / 5640	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
5820 / 5820	DEF AT local marker foram increase	DEF AT 6
5940 / 5940	DEF AT faunal change (no faunal increase)	DEF AT 5
6150 / 6150	DEF AT faunal change (no faunal increase)	DEF AT 4
6360 / 6360	DEF AT faunal change (no faunal increase)	DEF AT 5
6570 / 6570	DEF AT local marker foram increase	DEF AT 5
6990 / 6990	DEF AT local marker foram decrease	DEF AT 5
7140 / 7140	DEF AT faunal change (no faunal increase)	DEF AT 4
7470 / 7470	DEF AT local marker foram increase	DEF AT 5
7500 / 7500	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
7920 / 7920	DEF AT faunal change (no faunal increase)	DEF AT 4
8040 / 8040	DEF AT local marker foram increase	DEF AT 6
8070 / 8070	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
8160 / 8160	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8280 / 8280	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
8310 / 8310	DEF AT faunal change (no faunal increase)	DEF AT 6
8370 / 8370	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 6
8520 / 8520	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8570 / 8570	DEF AT condensed section	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 5340
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 17580	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
8580 / 8580	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8610 / 8610	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
8670 / 8670	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9510 / 9510	DEF AT Lower Pliocene (Zancian) Cibicides marsi	DEF AT 6
9540 / 9540	POS AT reworked material	DEF AT 6
9541 / 9541	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 6
9600 / 9600	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 6
10020 / 10020	DEF AT faunal change (no faunal increase)	POS AT 6
10200 / 10200	POS IN Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 6
10230 / 10230	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 6
10560 / 10559	POS AT Lower Pliocene (Zancian) Sphaeroidinellopsis multiloba	DEF AT 6
10740 / 10739	DEF AT faunal change (no faunal increase)	DEF AT 5
10860 / 10859	DEF AT local marker foram increase	DEF AT 5
10890 / 10889	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 5
11130 / 11129	DEF AT transported outer shelf facies	DEF AT 4
11580 / 11579	POS AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT 5
12300 / 12292	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
12630 / 12611	DEF AT faunal change (no faunal increase)	DEF AT 4
12690 / 12669	DEF AT local marker foram decrease	DEF AT 4
12780 / 12756	DEF AT faunal change (no faunal increase)	DEF AT 5
12900 / 12870	DEF AT faunal change (no faunal increase)	DEF AT 4
14340 / 14191	DEF AT local marker planktic foram increase	DEF AT 5
14400 / 14244	DEF AT local marker planktic foram increase	DEF AT 5
14580 / 14406	DEF AT transported outer shelf facies	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 5340
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 17580	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
14640 / 14459	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14700 / 14513	DEF AT faunal change (no faunal increase)	DEF AT 5
14880 / 14675	DEF AT local marker foram decrease	DEF AT 4
15120 / 14891	POS IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
15480 / 15216	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15780 / 15489	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
16049 / 15735	DEF AT foram flood	DEF AT 5
16050 / 15736	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
16110 / 15791	DEF AT faunal change (no faunal increase)	DEF AT 5
16410 / 16064	DEF AT faunal change (no faunal increase)	DEF AT 4
16470 / 16117	DEF AT Eggerella 3 (local marker)	DEF AT 4
16530 / 16170	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
16770 / 16380	DEF AT faunal change (no faunal increase)	DEF AT 5
16830 / 16433	DEF AT foram flood	DEF AT 5
16980 / 16564	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
17100 / 16670	DEF AT Eggerella 3 (local marker)	DEF AT 4
17340 / 16884	DEF AT faunal change (no faunal increase)	POS AT 4
17580 / 17100	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 764	Date of Summary: 25-AUG-1998	First Sample Examined: 5430
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5430 - 14000	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 12600=Discoaster preberggrenii, 12800=assemblage A, 14000=assemblage B

MD / TVD	Paleo Top Description	Ecozone
5430 / 5430	DEF AT first sample examined	DEF AT
5431 / 5431	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8340 / 8340	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8520 / 8520	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8580 / 8580	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9240 / 9240	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10260 / 10259	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
10980 / 10979	DEF AT Upper Miocene (Messinian) Discoaster quinquedentatus	DEF AT
12060 / 12058	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
12600 / 12583	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12700 / 12679	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12800 / 12775	DEF AT local marker floral increase	DEF AT
14000 / 13886	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 15510
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 20796
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20016
API Well Number: 608174058701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15510 - 20796	Water Depth: 3283
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
15510 / 15016	DEF AT first sample examined	DEF AT 4
15511 / 15016	DEF AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 4
15630 / 15122	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15900 / 15360	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 5
15930 / 15387	DEF AT foram flood	DEF AT 5
15960 / 15413	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 5
16080 / 15521	DEF AT faunal change (no faunal increase)	DEF AT 4
16440 / 15850	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
16830 / 16216	DEF AT foram flood	DEF AT 5
17010 / 16387	DEF AT faunal change (no faunal increase)	DEF AT 4
17190 / 16560	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17730 / 17083	DEF AT Arenaceous fauna (local marker)	DEF AT 4
17789 / 17141	DEF AT foram flood	DEF AT 5
17790 / 17142	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
17880 / 17230	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
18000 / 17348	DEF AT faunal change (no faunal increase)	DEF AT 4
18550 / 17889	DEF AT faunal change (no faunal increase)	POS AT 4
18660 / 17997	DEF AT local marker foram increase	DEF AT 5
18720 / 18057	DEF AT faunal change (no faunal increase)	DEF AT 4
18960 / 18293	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
19230 / 18558	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19350 / 18676	DEF AT local marker planktic foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 15510
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 20796
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 20016
API Well Number: 608174058701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 15510 - 20796	Water Depth: 3283
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
19410 / 18735	DEF AT Arenaceous fauna (local marker)	DEF AT 4
19560 / 18883	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
19561 / 18884	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20490 / 19797	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
20796 / 20098	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 764	Date of Summary: 25-AUG-1998	First Sample Examined: 16000
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 20796
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 20016
API Well Number: 608174058701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16000 - 20500	Water Depth: 3283
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 16000=assemblage A, 16900=assemblage B, 20500=Reticulofenestra pseudoumbilica var G

MD / TVD	Paleo Top Description	Ecozone
16000 / 15449	DEF AT first sample examined	DEF AT
16001 / 15450	DEF IN local marker floral increase	DEF AT
16900 / 16283	DEF AT local marker floral increase	DEF AT
18480 / 17820	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18960 / 18293	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20500 / 19807	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 765	Date of Summary: 18-JUN-2000	First Sample Examined: 13600
Lease Number: G12166	Source of Paleo: OPERATOR	Borehole MD: 21705
Well Name: PI002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18149
API Well Number: 608174088200	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 13600 - 21700	Water Depth: 3544
Public Info Code: Y 21-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Princess Prospect

MD / TVD	Paleo Top Description	Ecozone
13600 / 12867	DEF AT first sample examined	POS AT 4
13630 / 12890	DEF AT - - - - -	DEF AT 4
13660 / 12913	DEF IN Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 4
14109 / 13250	DEF AT faunal change (no faunal increase)	DEF AT 4
14110 / 13251	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
15610 / 14235	DEF AT reworked material	POS AT 4
15730 / 14313	DEF AT - - - - -	DEF AT 4
15910 / 14430	DEF AT Arenaceous fauna (local marker)	DEF AT 4
16240 / 14643	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 4
17500 / 15437	DEF AT local marker foram increase	DEF AT 4
17680 / 15551	DEF AT - - - - -	DEF IN 3
17890 / 15685	DEF AT - - - - -	DEF AT 4
17980 / 15742	DEF AT - - - - -	DEF IN 3
18160 / 15857	DEF AT - - - - -	DEF AT 4
18910 / 16347	DEF AT local marker planktic foram increase	DEF AT 4
19450 / 16703	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21400 / 17950	DEF AT local marker planktic foram increase	DEF AT 4
21700 / 18146	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 765	Date of Summary: 01-OCT-2000	First Sample Examined: 22370
Lease Number: G12166	Source of Paleo: OPERATOR	Borehole MD: 27156
Well Name: PI002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 20895
API Well Number: 608174088203	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 22370 - 27120	Water Depth: 3544
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Princess Prospect

MD / TVD	Paleo Top Description	Ecozone
22370 / 18316	DEF AT first sample examined	POS AT 4
22470 / 18378	DEF AT sand	POS AT 4
22620 / 18466	DEF AT gray shale	POS AT 4
22680 / 18500	DEF AT - - - - -	DEF AT 4
23220 / 18776	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
23520 / 18921	DEF AT faunal change (no faunal increase)	DEF AT 4
25140 / 19718	POS AT reworked material	POS AT 4
25170 / 19733	DEF AT gray shale	POS AT 4
25260 / 19781	DEF AT - - - - -	DEF AT 4
25620 / 19977	DEF AT faunal change (no faunal increase)	POS AT 4
25650 / 19994	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
25830 / 20094	DEF IN Upper Miocene (Tortonian) Discorbis 12	POS AT 4
25860 / 20111	DEF AT - - - - -	DEF AT 4
27120 / 20872	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 765	Date of Summary: 01-MAY-2001	First Sample Examined: 22376
Lease Number: G12166	Source of Paleo: OPERATOR	Borehole MD: 27156
Well Name: PI002	Paleo Done By: BUGWARE, INC.	Borehole TVD: 20895
API Well Number: 608174088203	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 22376 - 27120	Water Depth: 3544
Public Info Code: Y 05-OCT-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Princess Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
22376 / 18320	DEF AT first sample examined	DEF AT
22377 / 18320	POS IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
22620 / 18466	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22740 / 18533	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
22830 / 18582	POS AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
22890 / 18614	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
23430 / 18878	DEF AT local marker floral increase	DEF AT
23490 / 18907	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
25110 / 19703	DEF AT reworked material	DEF AT
25320 / 19812	DEF AT reworked material	DEF AT
25650 / 19994	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
25710 / 20027	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
26120 / 20261	DEF AT reworked material	DEF AT
26400 / 20428	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
26640 / 20573	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
27120 / 20872	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 772	Date of Summary: 01-APR-1999	First Sample Examined: 8140
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 14445
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14442
API Well Number: 608174082300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 8140 - 14230	Water Depth: 5491
Public Info Code: Y 26-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
7915 / 7913	DEF AT first sample examined	POS AT 5
8140 / 8138	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
8200 / 8198	DEF AT faunal change (no faunal increase)	DEF AT 6
8650 / 8647	DEF AT faunal change (no faunal increase)	DEF AT 5
8830 / 8827	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT 5
9100 / 9097	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
9250 / 9247	DEF AT faunal change (no faunal increase)	DEF AT 6
9400 / 9397	DEF AT faunal change (no faunal increase)	DEF AT 5
9700 / 9697	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
9760 / 9757	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
9940 / 9937	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 6
10210 / 10207	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
10240 / 10237	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
10480 / 10477	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT 6
10630 / 10627	DEF AT faunal change (no faunal increase)	DEF AT 5
11350 / 11347	DEF AT faunal change (no faunal increase)	DEF AT 4
11530 / 11527	DEF AT Lower Pliocene (Zanclean) Globigerina nepenthes	DEF AT 4
11770 / 11767	DEF AT faunal change (no faunal increase)	DEF AT 5
11860 / 11857	DEF AT faunal change (no faunal increase)	DEF AT 6
12040 / 12037	DEF AT faunal change (no faunal increase)	DEF AT 5
12220 / 12217	DEF AT faunal change (no faunal increase)	DEF AT 5
12310 / 12307	DEF AT faunal change (no faunal increase)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 772	Date of Summary: 01-APR-1999	First Sample Examined: 8140
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 14445
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14442
API Well Number: 608174082300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 8140 - 14230	Water Depth: 5491
Public Info Code: Y 26-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12580 / 12577	DEF AT faunal change (no faunal increase)	DEF AT 4
12610 / 12607	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
12640 / 12637	DEF AT Lower Pliocene (Zanclean) Globigerinoides mitra	DEF AT 4
13480 / 13477	DEF AT faunal change (no faunal increase)	DEF AT 5
13750 / 13746	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT 5
14230 / 14226	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14440 / 14436	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 772	Date of Summary: 27-SEP-1999	First Sample Examined: 12290
Lease Number: G16647	Source of Paleo: OPERATOR	Borehole MD: 18160
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18155
API Well Number: 608174082301	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 70
Paleo Report Num: 1 of 1	Sample Range: 12290 - 18170	Water Depth: 5567
Public Info Code: Y 31-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
12290 / 12287	DEF AT first sample examined	DEF AT 5
12590 / 12586	DEF AT Upper Miocene (Messinian) Discoaster quinqueringus	DEF AT 5
13700 / 13696	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT 5
14450 / 14446	DEF AT faunal change (no faunal increase)	DEF AT 4
14560 / 14556	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14800 / 14796	DEF AT faunal change (no faunal increase)	DEF AT 5
15110 / 15106	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
15230 / 15226	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
15470 / 15466	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15530 / 15526	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
15650 / 15646	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
16280 / 16275	DEF AT faunal change (no faunal increase)	DEF AT 5
16400 / 16395	DEF AT faunal change (no faunal increase)	DEF AT 4
16520 / 16515	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT 4
16640 / 16635	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
16700 / 16695	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
16730 / 16725	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
17270 / 17265	DEF AT faunal change (no faunal increase)	DEF AT 5
17450 / 17445	DEF AT faunal change (no faunal increase)	DEF AT 4
18170 /	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 773	Date of Summary: 11-JUL-2000	First Sample Examined: 0
Lease Number: G19996	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15000
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 14334
API Well Number: 608174088700	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 63
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 5595
Public Info Code: Y 04-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9600 / 9598	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
9601 / 9599	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
10260 / 10230	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
10320 / 10285	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10440 / 10392	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10500 / 10445	DEF AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
10740 / 10650	DEF AT Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT
10800 / 10701	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
12120 / 11826	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT
13176 / 12724	DEF IN Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
14026 / 13455	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 773	Date of Summary: 07-AUG-2000	First Sample Examined: 0
Lease Number: G19996	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13352
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 13325
API Well Number: 608174088701	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 63
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 5595
Public Info Code: Y 03-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
10060 / 10052	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10180 / 10170	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10240 / 10230	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10360 / 10349	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10420 / 10409	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10480 / 10469	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
11920 / 11898	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
12250 / 12228	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
12400 / 12377	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12940 / 12916	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13180 / 13154	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 773	Date of Summary: 29-MAR-2000	First Sample Examined: 8650
Lease Number: G19996	Source of Paleo: OPERATOR	Borehole MD: 15625
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14665
API Well Number: 608174086400	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8650 - 15550	Water Depth: 5610
Public Info Code: Y 12-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 12880=base of Discoaster asymmetricus

MD / TVD	Paleo Top Description	Ecozone
8650 / 8649	DEF AT first sample examined	DEF AT 4
8740 / 8739	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT 4
9700 / 9693	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT 4
9790 / 9781	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
9820 / 9811	DEF AT - - - - -	DEF AT 5
9850 / 9840	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT 5
10450 / 10398	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 5
10480 / 10424	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 5
10510 / 10450	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 5
10600 / 10529	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
10601 / 10529	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
10660 / 10580	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10690 / 10606	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
10720 / 10632	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
11110 / 10962	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
11650 / 11407	DEF AT sample gap top	POS AT 5
11740 / 11481	DEF AT sample gap bottom	DEF AT 5
12490 / 12098	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12550 / 12148	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
12880 / 12420	DEF AT local marker floral increase	DEF AT 5
13270 / 12741	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
13450 / 12889	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 773	Date of Summary: 29-MAR-2000	First Sample Examined: 8650
Lease Number: G19996	Source of Paleo: OPERATOR	Borehole MD: 15625
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14665
API Well Number: 608174086400	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 8650 - 15550	Water Depth: 5610
Public Info Code: Y 12-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
13510 / 12938	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT 5
14080 / 13398	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT 5
14800 / 13973	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
15520 / 14572	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 776	Date of Summary: 31-JUL-2000	First Sample Examined: 9990
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 26060
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26046
API Well Number: 608174088400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9990 - 26060	Water Depth: 5636
Public Info Code: Y 22-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Thunder Horse North Prospect, company-integrated foram and nanno report, 9991=mixed nannofossil assemblage including Early to Late Miocene and very rare Oligocene nannofossils, 13800=mixed nannofossil assemblage from late and mid-Miocene, 13830=mixed nannofossil assemblage, mostly Early Middle-Late Early Miocene, foram assemblage is predominantly lower Late Miocene in age, with common reworking of older Miocene material, 13920 TO 14070=mixed foram assemblage with fossils from Early to Late Miocene in age, 14130 to 15330=poor nannofossil recovery with assemblages as above which appear to be out-of-place, 21630=increase in 'mid-size' Reticulofenestra spp, 22260=atypical Sphenolithus dissimilis

MD / TVD	Paleo Top Description	Ecozone
9990 / 9989	DEF AT first sample examined	DEF AT
9991 / 9990	POS AT reworked material	DEF AT
10560 / 10559	DEF AT salt	DEF AT
13799 / 13791	DEF AT base of salt	DEF AT
13800 / 13792	POS AT reworked material	DEF AT
13830 / 13822	POS AT reworked material	DEF AT 6
13920 / 13912	POS AT reworked material	DEF AT 6
15330 / 15322	POS AT Upper Miocene (Tortonian) Uvigerina 3	POS AT 5
15360 / 15352	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	POS AT 5
15540 / 15532	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 5
15660 / 15652	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	POS AT 5
15690 / 15682	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 5
15750 / 15742	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
15780 / 15772	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
15900 / 15892	DEF AT Middle Miocene (Serravallian) Discoaster musicus	POS AT 5
15901 / 15893	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 5
16200 / 16192	DEF AT faunal change (no faunal increase)	POS AT 6
16530 / 16522	DEF AT faunal change (no faunal increase)	DEF AT 6
16770 / 16762	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 776	Date of Summary: 31-JUL-2000	First Sample Examined: 9990
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 26060
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 26046
API Well Number: 608174088400	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9990 - 26060	Water Depth: 5636
Public Info Code: Y 22-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17040 / 17032	DEF AT faunal change (no faunal increase)	POS AT 6
18360 / 18351	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	POS AT 6
18570 / 18561	DEF AT faunal change (no faunal increase)	DEF AT 6
19590 / 19581	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT 6
19980 / 19971	DEF AT faunal change (no faunal increase)	POS AT 6
20110 / 20101	POS AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	POS AT 6
20250 / 20241	DEF AT faunal change (no faunal increase)	DEF AT 6
20430 / 20421	DEF AT local marker planktic foram increase	DEF AT 6
20520 / 20511	DEF AT Arenaceous fauna (local marker)	DEF AT 6
20759 / 20749	DEF AT local marker planktic foram increase	DEF AT 6
20760 / 20750	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
21630 / 21620	DEF AT local marker floral increase	DEF AT 6
21750 / 21740	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
21780 / 21770	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 6
22110 / 22100	DEF AT Lower Miocene (Burdigalian) Discoaster callosus (increase)	DEF AT 6
22260 / 22249	DEF AT local marker floral increase	DEF AT 6
22470 / 22459	DEF AT faunal change (no faunal increase)	POS AT 6
23219 / 23208	DEF AT foram flood	DEF AT 6
23220 / 23209	POS IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
25230 / 25218	DEF AT local marker planktic foram increase	DEF AT 6
26060 / 26047	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 776	Date of Summary: 01-DEC-2000	First Sample Examined: 15030
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 23360
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22046
API Well Number: 608174088403	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 15030 - 23340	Water Depth: 5636
Public Info Code: Y 11-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Thunder Horse Prospect, company-integrated foram and nanno report, 15030=first sample examined for nannofossils, 17010=first sample examined for forams

MD / TVD	Paleo Top Description	Ecozone
15030 / 15022	DEF AT first sample examined	DEF AT
15360 / 15351	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
15510 / 15500	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
15900 / 15882	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15901 / 15883	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
17010 / 16885	DEF AT - - - - -	DEF AT 0
17340 / 17153	DEF AT - - - - -	DEF AT 4
17370 / 17178	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
17490 / 17278	DEF AT - - - - -	DEF AT 0
18240 / 17888	DEF AT - - - - -	DEF AT 4
18690 / 18242	DEF AT - - - - -	DEF AT 0
19290 / 18712	DEF AT - - - - -	DEF AT 4
19620 / 18975	DEF AT - - - - -	DEF AT 0
19860 / 19172	DEF AT - - - - -	DEF AT 4
20040 / 19320	DEF AT - - - - -	DEF AT 0
20310 / 19545	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 4
21690 / 20669	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21990 / 20913	DEF AT - - - - -	DEF AT 0
22380 / 21234	DEF AT - - - - -	DEF AT 4
22470 / 21308	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
23010 / 21756	DEF AT - - - - -	DEF AT 0

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 776	Date of Summary: 01-DEC-2000	First Sample Examined: 15030
Lease Number: G09866	Source of Paleo: OPERATOR	Borehole MD: 23360
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22046
API Well Number: 608174088403	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 15030 - 23340	Water Depth: 5636
Public Info Code: Y 11-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23160 / 21880	DEF AT - - - - -	DEF AT 4
23340 / 22029	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 778	Date of Summary: 06-MAY-1999	First Sample Examined: 9050
Lease Number: G09868	Source of Paleo: OPERATOR	Borehole MD: 23531
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23521
API Well Number: 608174082600	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9050 - 23531	Water Depth: 6050
Public Info Code: Y 24-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Thunder Horse Prospect, company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
9050 / 9050	DEF AT first sample examined	DEF AT
9051 / 9051	DEF IN salt	DEF AT
11299 / 11293	DEF AT base of salt	DEF AT
11300 / 11294	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	POS AT 5
11450 / 11443	DEF AT faunal change (no faunal increase)	DEF AT 6
11720 / 11713	DEF AT cement	POS AT 6
11810 / 11803	DEF AT faunal change (no faunal increase)	DEF AT 5
12380 / 12372	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
12560 / 12552	DEF AT faunal change (no faunal increase)	POS AT 5
12770 / 12762	DEF AT faunal change (no faunal increase)	DEF AT 6
13670 / 13662	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
14210 / 14202	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
14420 / 14412	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
14552 / 14544	DEF AT cement	POS AT 6
14570 / 14562	DEF AT faunal change (no faunal increase)	DEF AT 5
14660 / 14652	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
14750 / 14742	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS AT 5
15560 / 15552	DEF AT local marker foram increase	POS AT 5
16010 / 16002	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
17120 / 17112	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT 5
17480 / 17472	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17570 / 17562	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 778	Date of Summary: 06-MAY-1999	First Sample Examined: 9050
Lease Number: G09868	Source of Paleo: OPERATOR	Borehole MD: 23531
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 23521
API Well Number: 608174082600	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9050 - 23531	Water Depth: 6050
Public Info Code: Y 24-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17990 / 17982	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT 5
18260 / 18252	DEF AT faunal change (no faunal increase)	POS AT 6
18350 / 18342	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	POS AT 6
18440 / 18432	DEF AT faunal change (no faunal increase)	DEF AT 6
18710 / 18702	DEF AT faunal change (no faunal increase)	POS AT 6
19130 / 19122	DEF AT faunal change (no faunal increase)	DEF AT 6
19370 / 19362	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
19490 / 19482	DEF AT faunal change (no faunal increase)	POS AT 6
19670 / 19662	DEF AT faunal change (no faunal increase)	DEF AT 6
19940 / 19932	DEF AT faunal change (no faunal increase)	POS AT 6
20090 / 20082	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 6
20240 / 20232	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS AT 6
20270 / 20262	DEF AT faunal change (no faunal increase)	DEF AT 6
21590 / 21582	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
22040 / 22032	DEF AT faunal change (no faunal increase)	DEF AT 6
22200 / 22192	DEF AT faunal change (no faunal increase)	POS AT 6
22210 / 22202	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	POS AT 6
22250 / 22242	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS AT 6
22340 / 22331	DEF AT faunal change (no faunal increase)	POS AT 6
23360 / 23351	POS AT Lower Miocene (Aquitanian) Discoaster saundersi	POS AT 6
23510 / 23501	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS AT 6
23531 / 23522	DEF AT last sample examined	POS AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 778	Date of Summary: 28-JUN-1999	First Sample Examined: 23510
Lease Number: G09868	Source of Paleo: OPERATOR	Borehole MD: 25782
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 25765
API Well Number: 608174082601	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 21800 - 25710	Water Depth: 6037
Public Info Code: Y 21-JUL-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Thunder Horse Prospect, calcareous nannofossil report, 21801= in Triquetrorhabdulus carinatus equivalent, 25710=no definite Oligocene encountered

MD / TVD	Paleo Top Description	Ecozone	
21800 / 21792	DEF AT first sample examined	DEF	AT
21801 / 21793	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF	AT
23510 / 23500	DEF AT local marker foram increase	POS	AT 5
23660 / 23650	DEF AT Arenaceous fauna (local marker)	POS	AT 5
23690 / 23680	DEF AT faunal change (no faunal increase)	DEF	AT 6
24500 / 24490	DEF AT local marker foram increase	DEF	AT 6
24501 / 24491	DEF AT local marker floral increase	DEF	AT 6
25310 / 25297	DEF AT faunal change (no faunal increase)	POS	AT 6
25400 / 25387	DEF AT local marker foram increase	POS	AT 6
25401 / 25388	DEF AT local marker floral increase	POS	AT 6
25710 / 25694	DEF AT last sample examined	POS	AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 807	Date of Summary: 13-AUG-1999	First Sample Examined: 19230
Lease Number: G07963	Source of Paleo: OPERATOR	Borehole MD: 23400
Well Name: A007	Paleo Done By: THOMAS REILLY	Borehole TVD: 22804
API Well Number: 608174047800	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 192
Paleo Report Num: 1 of 1	Sample Range: 19230 - 23370	Water Depth: 2945
Public Info Code: Y 20-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
19230 / 18665	DEF AT first sample examined	DEF IN 3
19680 / 19095	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF IN 3
19770 / 19183	DEF AT local marker foram increase	DEF AT 4
20070 / 19479	DEF AT - - - - -	DEF IN 3
20310 / 19717	DEF AT local marker planktic foram increase	DEF IN 3
20910 / 20317	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF IN 3
21000 / 20407	DEF AT local marker foram increase	DEF AT 4
22080 / 21485	DEF AT local marker planktic foram increase	DEF AT 4
22290 / 21694	DEF AT local marker planktic foram increase	DEF AT 4
22800 / 22203	DEF AT local marker foram increase	DEF AT 4
23010 / 22413	DEF AT local marker foram increase	DEF AT 4
23370 / 22773	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-MAR-2000	First Sample Examined: 7400
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7400 - 13890	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
7400 / 7400	DEF AT first sample examined	DEF AT
7460 / 7460	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
8210 / 8210	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
8810 / 8810	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8870 / 8870	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8900 / 8900	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8930 / 8930	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9020 / 9020	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9110 / 9110	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9500 / 9500	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9800 / 9800	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10370 / 10370	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10400 / 10400	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10910 / 10910	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10970 / 10970	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11030 / 11030	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
11900 / 11900	DEF AT local marker floral increase	DEF AT
12960 / 12959	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13130 / 13129	DEF AT Upper Miocene (Tortonian) Catinaaster mexicanus	DEF AT
13370 / 13367	DEF AT Upper Miocene (Tortonian) Helicosphaera "B"	DEF AT
13420 / 13417	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-MAR-2000	First Sample Examined: 7400
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7400 - 13890	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13460 / 13456	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13500 / 13496	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13890 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-APR-2000	First Sample Examined: 7375
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7375 - 13838	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7375 / 7375	DEF AT first sample examined	DEF AT
7609 / 7609	DEF AT local marker foram increase	DEF AT 4
7610 / 7610	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
7970 / 7970	DEF AT reworked material	DEF AT 4
8090 / 8090	DEF AT local marker foram increase	DEF AT 4
8210 / 8210	POS AT local marker foram increase	DEF AT 4
8211 / 8211	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
8390 / 8390	DEF AT - - - - -	DEF AT 5
8479 / 8479	POS AT condensed section	DEF AT 6
8480 / 8480	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
8570 / 8570	DEF AT - - - - -	DEF AT 5
8658 / 8658	DEF AT cement	DEF IN 5
8690 / 8690	DEF AT - - - - -	DEF AT 4
8809 / 8809	DEF AT condensed section	DEF AT 6
8810 / 8810	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 6
8840 / 8840	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 6
8900 / 8900	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
8928 / 8928	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 6
8929 / 8929	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 6
8930 / 8930	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF AT 6
8931 / 8931	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9050 / 9050	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-APR-2000	First Sample Examined: 7375
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7375 - 13838	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9140 / 9140	DEF AT transported shelf fauna	DEF AT 6
9300 / 9300	DEF AT - - - - -	DEF AT 5
9380 / 9380	DEF AT - - - - -	DEF AT 4
9470 / 9470	DEF AT local marker foram increase	DEF AT 4
9500 / 9500	DEF AT local marker foram increase	DEF AT 5
9530 / 9530	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9560 / 9560	DEF AT sample gap top	DEF AT 5
9703 / 9703	DEF AT sample gap bottom	DEF AT 5
9704 / 9704	DEF AT - - - - -	DEF AT 4
9800 / 9800	DEF AT local marker foram increase	DEF AT 6
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 6
9920 / 9920	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10010 / 10010	DEF AT - - - - -	DEF AT 6
10310 / 10310	DEF AT - - - - -	DEF AT 6
10400 / 10400	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
10430 / 10430	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
10460 / 10460	DEF AT local marker planktic foram increase	DEF AT 5
10550 / 10550	DEF AT - - - - -	DEF AT 5
10610 / 10610	DEF AT local marker foram decrease	POS AT 4
10910 / 10910	DEF AT local marker foram increase	DEF AT 6
11030 / 11030	DEF AT transported shelf fauna	DEF AT 6
11050 / 11050	DEF AT - - - - -	DEF AT 5
11179 / 11179	POS AT condensed section	DEF AT 6
11180 / 11180	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-APR-2000	First Sample Examined: 7375
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7375 - 13838	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11270 / 11270	DEF AT local marker foram decrease	DEF AT 4
11450 / 11450	POS IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11810 / 11810	POS AT local marker foram increase	DEF AT 5
11960 / 11960	DEF AT local marker planktic foram increase	DEF AT 5
11990 / 11990	DEF AT sample gap top	DEF AT 5
12079 / 12079	DEF AT sample gap bottom	DEF AT 5
12080 / 12080	DEF AT - - - - -	DEF AT 5
12470 / 12470	DEF AT local marker foram increase	DEF AT 6
12530 / 12530	DEF AT - - - - -	DEF AT 5
12740 / 12740	DEF AT transported shelf fauna	DEF AT 4
13000 / 12999	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
13030 / 13029	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
13070 / 13069	DEF AT local marker foram increase	DEF AT 5
13130 / 13129	DEF AT - - - - -	DEF AT 4
13350 / 13347	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
13370 / 13367	DEF AT - - - - -	DEF AT 6
13430 / 13427	DEF AT - - - - -	DEF AT 5
13630 / 13623	DEF AT transported shelf fauna	DEF AT 4
13810 / 13797	DEF AT - - - - -	DEF AT 5
13830 / 13816	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-MAR-2000	First Sample Examined: 13780
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 17998
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 17635
API Well Number: 608174086601	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 13780 - 17998	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
13780 / 13769	DEF AT first sample examined	DEF AT
13800 / 13788	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13900 / 13884	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14240 / 14201	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14330 / 14284	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
15110 / 14994	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15620 / 15455	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16580 / 16327	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17420 / 17099	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
17660 / 17321	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17998 / 17635	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-MAY-2000	First Sample Examined: 13780
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 17998
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17635
API Well Number: 608174086601	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 13780 - 17998	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 16910=Uvigerina semicostata acme, 17150=increase in Saccamina sp

MD / TVD	Paleo Top Description	Ecozone
13780 / 13769	DEF AT first sample examined	DEF AT 5
13781 / 13770	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
13820 / 13808	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF AT 5
13880 / 13865	DEF AT - - - - -	DEF AT 6
13960 / 13941	DEF AT local marker foram increase	DEF AT 6
14000 / 13979	DEF AT - - - - -	DEF AT 5
14060 / 14035	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
14090 / 14063	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 5
14150 / 14119	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
14270 / 14229	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
14330 / 14284	DEF AT local marker foram increase	DEF AT 5
14390 / 14339	DEF AT - - - - -	DEF AT 0
14600 / 14530	DEF AT - - - - -	DEF AT 4
14630 / 14557	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
14690 / 14612	DEF AT - - - - -	DEF AT 5
14750 / 14667	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14810 / 14721	DEF AT - - - - -	DEF AT 4
15110 / 14994	DEF AT local marker foram increase	DEF AT 4
16040 / 15838	DEF AT - - - - -	DEF AT 5
16130 / 15919	DEF AT - - - - -	DEF AT 4
16250 / 16028	DEF AT local marker foram increase	DEF AT 4
16310 / 16082	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 815	Date of Summary: 01-MAY-2000	First Sample Examined: 13780
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 17998
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17635
API Well Number: 608174086601	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 13780 - 17998	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
16369 / 16136	DEF AT local marker foram increase	DEF AT 5
16370 / 16136	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 5
16460 / 16218	DEF AT local marker benthic foram increase	DEF AT 5
16550 / 16300	DEF AT Arenaceous fauna (local marker)	DEF AT 5
16610 / 16354	DEF AT Bathysiphon fauna	DEF AT 5
16730 / 16464	DEF AT - - - - -	DEF AT 4
16790 / 16519	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
16910 / 16629	DEF AT local marker foram increase	DEF AT 5
16970 / 16684	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17060 / 16767	DEF AT local marker foram increase	DEF AT 5
17090 / 16795	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17150 / 16850	DEF AT Arenaceous fauna (local marker)	DEF AT 5
17210 / 16905	DEF AT - - - - -	DEF AT 4
17390 / 17072	DEF AT local marker foram increase	DEF AT 5
17998 / 17635	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 822	Date of Summary: 07-JAN-2001	First Sample Examined: 9950
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 29100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29060
API Well Number: 608174086700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 29090	Water Depth: 6327
Public Info Code: Y 30-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, 16370=Gyroidina scalata, 28430=Lower Oligocene Sphenolithus tribulosus

MD / TVD	Paleo Top Description	Ecozone
9950 / 9950	DEF AT first sample examined	DEF AT 5
10430 / 10430	DEF AT - - - - -	DEF AT 5
10700 / 10700	DEF AT - - - - -	DEF AT 6
10760 / 10760	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10820 / 10820	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
10970 / 10970	DEF AT - - - - -	DEF AT 6
11090 / 11090	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 6
11150 / 11150	DEF AT - - - - -	POS AT 6
11450 / 11450	DEF AT - - - - -	DEF AT 6
11510 / 11510	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11539 / 11539	POS AT unconformity	DEF AT 6
11540 / 11540	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
11630 / 11630	DEF AT - - - - -	POS AT 6
12080 / 12079	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
12980 / 12979	DEF AT - - - - -	DEF AT 7
13190 / 13189	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 6
13560 / 13558	DEF AT cement	POS AT 6
13760 / 13758	DEF AT - - - - -	DEF AT 5
14000 / 13998	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
14150 / 14148	DEF AT - - - - -	DEF AT 6
14840 / 14838	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
15020 / 15018	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 822	Date of Summary: 07-JAN-2001	First Sample Examined: 9950
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 29100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29060
API Well Number: 608174086700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 29090	Water Depth: 6327
Public Info Code: Y 30-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15410 / 15407	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
15890 / 15887	DEF AT - - - - -	POS AT 5
16160 / 16157	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS AT 5
16190 / 16187	DEF AT - - - - -	DEF AT 5
16310 / 16307	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
16370 / 16367	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
17510 / 17506	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
17630 / 17626	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
18140 / 18134	DEF AT faunal change (no faunal increase)	DEF AT 5
18320 / 18314	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
18440 / 18433	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	POS AT 5
19130 / 19121	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS AT 5
19160 / 19150	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
19520 / 19508	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS AT 5
19550 / 19538	DEF AT - - - - -	DEF AT 5
20450 / 20432	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
20510 / 20492	DEF AT - - - - -	DEF AT 5
21040 / 21020	DEF AT - - - - -	DEF AT 6
21190 / 21169	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
21210 / 21189	DEF AT - - - - -	DEF AT 5
22050 / 22028	DEF AT - - - - -	DEF AT 6
22110 / 22088	DEF AT - - - - -	DEF AT 5
22300 / 22278	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
23460 / 23437	DEF AT - - - - -	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 822	Date of Summary: 07-JAN-2001	First Sample Examined: 9950
Lease Number: G14658	Source of Paleo: OPERATOR	Borehole MD: 29100
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 29060
API Well Number: 608174086700	Drilling Operator: BP EXPLORATION & PRODUCTION INC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 9950 - 29090	Water Depth: 6327
Public Info Code: Y 30-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
26820 / 26794	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6
27330 / 27302	DEF AT - - - - -	POS AT 5
27880 / 27848	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	POS AT 5
28170 / 28136	DEF AT Lower Oligocene (Rupelian) Discoaster nodifer	POS AT 5
28280 / 28246	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	POS AT 5
28380 / 28345	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	POS AT 5
28430 / 28395	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	POS AT 5
28550 / 28514	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	POS AT 5
28580 / 28543	DEF AT Middle Eocene (Bartonian) Micrantholithus procerus	POS AT 5
28610 / 28573	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	POS AT 5
29090 / 29049	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 849	Date of Summary: 10-APR-2002	First Sample Examined: 6258
Lease Number: G21188	Source of Paleo: OPERATOR	Borehole MD: 16227
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15500
API Well Number: 608174097900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 6258 - 16227	Water Depth: 3599
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6258 / 6258	DEF AT first sample examined	DEF AT 5
7260 / 7247	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
8040 / 7955	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8850 / 8621	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9150 / 8865	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
10140 / 9669	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
10740 / 10162	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10980 / 10365	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
13680 / 12953	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 5
14430 / 13703	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
16227 / 15500	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 849	Date of Summary: 10-APR-2002	First Sample Examined: 6258
Lease Number: G21188	Source of Paleo: OPERATOR	Borehole MD: 16227
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15500
API Well Number: 608174097900	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 6258 - 16227	Water Depth: 3599
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
6258 / 6258	DEF AT first sample examined	DEF AT
6990 / 6985	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
7650 / 7610	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8850 / 8621	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
9030 / 8767	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10110 / 9645	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10680 / 10112	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10740 / 10162	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10860 / 10263	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10920 / 10314	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
13350 / 12623	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
14760 / 14033	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
15990 / 15263	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
16227 / 15500	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 12-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 8950 - 17955	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8950 / 8950	DEF AT first sample examined	DEF AT 5
8951 / 8951	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9070 / 9070	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9100 / 9100	DEF AT local marker foram increase	DEF AT 5
9310 / 9310	DEF AT pyrite	DEF AT 5
9340 / 9340	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9370 / 9370	DEF AT foram flood	DEF AT 5
9430 / 9430	DEF AT Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 5
9580 / 9580	DEF AT local marker foram decrease	DEF AT 5
9760 / 9760	DEF AT drilling material	DEF IN 4
9880 / 9880	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9910 / 9910	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9940 / 9940	DEF AT foram flood	DEF IN 5
10030 / 10030	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
10060 / 10060	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10120 / 10120	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10180 / 10180	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10240 / 10240	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10270 / 10270	DEF AT local marker foram decrease	DEF IN 5
10300 / 10300	DEF AT local marker benthic foram increase	DEF IN 5
10360 / 10360	DEF AT local marker foram decrease	DEF IN 5
10390 / 10390	DEF AT faunal change (no faunal increase)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 12-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 8950 - 17955	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10480 / 10480	DEF AT pyrite	DEF AT 5
10570 / 10570	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10720 / 10720	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10750 / 10750	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10840 / 10840	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10869 / 10869	DEF AT pyrite	DEF AT 5
10870 / 10870	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
10900 / 10900	DEF AT drilling material	DEF AT 5
10960 / 10960	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10990 / 10990	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11020 / 11020	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11080 / 11080	DEF AT pyrite	DEF AT 5
11110 / 11110	DEF AT drilling material	DEF AT 5
11170 / 11170	DEF AT local marker benthic foram increase	DEF AT 5
11200 / 11200	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
11230 / 11230	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11259 / 11259	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
11260 / 11260	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11290 / 11290	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
11320 / 11320	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11410 / 11410	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
11440 / 11440	DEF AT local marker foram decrease	DEF AT 5
11470 / 11470	DEF AT salt	DEF AT 5
17929 / 17929	DEF AT base of salt	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 12-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 8950 - 17955	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17930 / 17930	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
17955 / 17955	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 14-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 8950 - 11470	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: N	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8950 / 8950	DEF AT first sample examined	DEF AT
8951 / 8951	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8980 / 8980	DEF AT local marker floral decrease	DEF AT
9100 / 9100	DEF AT floral flood	DEF AT
9190 / 9190	DEF AT local marker floral decrease	DEF AT
9280 / 9280	DEF AT local marker floral increase	DEF AT
9310 / 9310	DEF AT floral flood	DEF AT
9340 / 9340	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9370 / 9370	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9430 / 9430	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9460 / 9460	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9520 / 9520	DEF AT local marker floral decrease	DEF AT
9730 / 9730	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9760 / 9760	DEF AT local marker floral decrease	DEF AT
9820 / 9820	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9910 / 9910	DEF AT floral flood	DEF AT
10000 / 10000	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10030 / 10030	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
10060 / 10060	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10120 / 10120	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10300 / 10300	DEF AT local marker floral decrease	DEF AT
10480 / 10480	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 14-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 8950 - 11470	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: N	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10720 / 10720	DEF AT local marker floral decrease	DEF AT
10810 / 10810	DEF AT Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
10870 / 10870	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
10930 / 10930	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10990 / 10990	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11020 / 11020	DEF AT local marker floral decrease	DEF AT
11050 / 11050	DEF AT floral flood	DEF AT
11110 / 11110	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11140 / 11140	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
11200 / 11200	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11230 / 11230	DEF AT local marker floral decrease	DEF AT
11260 / 11260	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11290 / 11290	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11320 / 11320	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11380 / 11380	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
11410 / 11410	DEF AT out-of-place section	DEF AT
11470 / 11470	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 18-NOV-2003	First Sample Examined: 17930
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 17930 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
17930 / 17922	DEF AT first sample examined	POS AT 5
17931 / 17923	DEF IN salt	POS AT 5
18139 / 18129	DEF AT base of salt	DEF AT 5
18140 / 18130	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
18200 / 18190	DEF AT local marker planktic foram increase	DEF AT 5
18379 / 18368	DEF AT turbid water facies	POS AT 5
18380 / 18369	DEF AT local white Arenaceous fauna	POS AT 5
18410 / 18399	DEF AT - - - - -	DEF AT 5
18440 / 18428	DEF AT local marker foram decrease	DEF AT 5
18470 / 18458	DEF AT turbid water facies	POS AT 5
18530 / 18518	DEF AT - - - - -	DEF AT 5
18550 / 18538	DEF AT turbid water facies	POS AT 5
18590 / 18577	DEF AT - - - - -	DEF AT 5
18650 / 18637	DEF AT foram flood	DEF AT 5
18670 / 18657	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
18710 / 18696	DEF AT Bathysiphon fauna	DEF AT 5
18740 / 18726	DEF AT turbid water facies	POS AT 5
18770 / 18756	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
18800 / 18786	DEF AT pyrite	DEF AT 5
18830 / 18815	DEF AT local marker foram increase	DEF AT 5
18950 / 18934	DEF AT local marker foram decrease	DEF AT 5
18960 / 18944	DEF AT local marker planktic foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 18-NOV-2003	First Sample Examined: 17930
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 17930 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19010 / 18994	DEF AT local marker foram decrease	DEF IN 4
19070 / 19053	DEF AT pyrite	DEF IN 4
19100 / 19083	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 03-DEC-2003	First Sample Examined: 18140
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 18140 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18140 / 18130	DEF AT first sample examined	DEF AT
18141 / 18131	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18200 / 18190	DEF AT local marker floral decrease	DEF AT
18320 / 18309	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18440 / 18428	DEF AT local marker floral decrease	DEF AT
18650 / 18637	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18680 / 18667	DEF AT local marker floral decrease	DEF AT
18890 / 18875	DEF AT floral flood	DEF AT
18920 / 18905	DEF AT local marker floral decrease	DEF AT
18980 / 18964	POS AT local marker floral increase	DEF AT
19010 / 18994	POS AT local marker floral decrease	DEF AT
19137 / 19119	POS AT local marker floral increase	DEF AT
19157 / 19139	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 01-AUG-2007	First Sample Examined: 16560
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 4	Sample Range: 16560 - 27070	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Big North Prospect, calcareous nannofossil report, paleo done by JMC of subsalt section, nannospecies abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16560 / 16553	DEF AT first sample examined	DEF AT
16561 / 16554	DEF IN out-of-place section	DEF AT
16790 / 16781	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16880 / 16869	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
17380 / 17363	DEF AT floral flood	DEF AT
19610 / 19491	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
21020 / 20602	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21640 / 21087	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22360 / 21642	DEF AT floral flood	DEF AT
22510 / 21760	DEF AT floral flood	DEF AT
24970 / 23697	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
26050 / 24543	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
27070 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 08-AUG-2007	First Sample Examined: 9320
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 4	Sample Range: 9320 - 11510	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Big North Prospect, calcareous nannofossil report, paleo done by Anatoliy Shumnuk, nannospecies abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9320 / 9320	DEF AT first sample examined	DEF AT
9321 / 9321	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
9470 / 9470	DEF AT floral flood	DEF AT
9500 / 9500	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9530 / 9530	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9560 / 9560	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9680 / 9680	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9830 / 9830	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9890 / 9890	DEF AT local marker floral decrease	DEF AT
9920 / 9920	DEF AT local marker floral increase	DEF AT
10010 / 10010	DEF AT floral flood	DEF AT
10130 / 10130	DEF AT local marker floral decrease	DEF AT
10190 / 10190	DEF AT floral flood	DEF AT
10250 / 10250	DEF AT local marker floral decrease	DEF AT
10280 / 10280	DEF AT floral flood	DEF AT
10430 / 10430	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10520 / 10520	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10580 / 10580	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10700 / 10700	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10910 / 10910	DEF AT local marker floral decrease	DEF AT
10970 / 10970	DEF AT floral flood	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 08-AUG-2007	First Sample Examined: 9320
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 4	Sample Range: 9320 - 11510	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11000 / 11000	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11090 / 11090	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11210 / 11210	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11240 / 11240	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11270 / 11270	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11420 / 11420	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11450 / 11450	DEF IN salt	DEF AT
11510 / 11510	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 15-AUG-2007	First Sample Examined: 9319
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 4	Sample Range: 9319 - 11450	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Big North Prospect, paleo done by Rome Lytton II, foram species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9319 / 9319	DEF AT first sample examined	DEF IN 4
9320 / 9320	DEF IN cement	DEF IN 4
9470 / 9470	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
9500 / 9500	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
9530 / 9530	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9560 / 9560	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9589 / 9589	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9590 / 9590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9619 / 9619	DEF AT pyrite	DEF IN 5
9620 / 9620	DEF AT local marker foram decrease	DEF IN 5
9710 / 9710	DEF AT local marker planktic foram increase	DEF IN 5
9770 / 9770	DEF AT local marker foram decrease	DEF AT 5
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
9920 / 9920	DEF AT faunal change (no faunal increase)	DEF IN 5
9950 / 9950	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
9980 / 9980	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10070 / 10070	DEF AT pyrite	DEF IN 5
10309 / 10309	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
10310 / 10310	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
10430 / 10430	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10489 / 10489	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
10490 / 10490	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 15-AUG-2007	First Sample Examined: 9319
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 4	Sample Range: 9319 - 11450	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
10520 / 10520	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10550 / 10550	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
10699 / 10699	DEF AT pyrite	DEF IN 5
10700 / 10700	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 5
10820 / 10820	DEF AT local marker foram decrease	DEF IN 5
10970 / 10970	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 5
11060 / 11060	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
11180 / 11180	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
11270 / 11270	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11300 / 11300	DEF AT reworked material	DEF IN 5
11420 / 11420	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
11450 / 11450	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Big North Prospect, paleo done by Bruce Desselle, foram species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13264 / 13264	DEF AT first sample examined	DEF AT 4
13265 / 13265	DEF IN out-of-place section	DEF AT 4
16520 / 16514	DEF AT reworked material	DEF AT 4
16610 / 16603	DEF AT faunal change (no faunal increase)	DEF AT 5
16640 / 16632	DEF AT foram flood	DEF AT 5
16730 / 16721	DEF AT reworked material	DEF AT 5
16940 / 16929	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
17120 / 17106	DEF AT reworked material	DEF AT 5
17390 / 17373	DEF AT reworked material	DEF AT 4
17420 / 17402	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
17450 / 17432	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 5
17480 / 17461	DEF AT local marker foram decrease	DEF AT 5
17540 / 17520	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
17600 / 17580	DEF AT local marker foram decrease	DEF AT 5
18020 / 17994	DEF AT local marker foram decrease	DEF IN 4
18080 / 18053	DEF AT faunal change (no faunal increase)	DEF AT 5
18110 / 18083	DEF AT pyrite	DEF AT 5
18170 / 18142	DEF AT local white Arenaceous fauna	DEF AT 5
18200 / 18171	DEF AT pyrite	DEF AT 5
18620 / 18583	DEF AT Cyclammina sp. (local marker)	DEF AT 5
18710 / 18671	DEF AT local marker foram decrease	DEF AT 5
19370 / 19284	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
19640 / 19516	DEF AT local marker deep water fauna	DEF AT 6
19700 / 19566	DEF AT local marker foram decrease	DEF AT 4
19730 / 19591	DEF AT pyrite	DEF AT 4
19760 / 19616	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19880 / 19712	DEF AT - - - - -	DEF IN 4
20119 / 19898	DEF AT Eggerella sp. (local marker)	POS IN 4
20120 / 19899	DEF AT turbid water facies	POS IN 4
20330 / 20063	DEF AT local marker foram increase	POS IN 4
20360 / 20086	DEF AT faunal change (no faunal increase)	DEF AT 4
20390 / 20110	DEF AT local marker foram decrease	DEF AT 4
20480 / 20180	DEF AT - - - - -	DEF AT 5
20509 / 20203	DEF AT Bathysiphon fauna	POS AT 5
20510 / 20204	DEF AT turbid water facies	POS AT 5
20570 / 20250	DEF AT local marker foram decrease	DEF AT 5
20600 / 20274	DEF AT turbid water facies	POS AT 5
20749 / 20390	DEF AT Arenaceous fauna (local marker)	POS AT 5
20750 / 20391	DEF AT foram flood	POS AT 5
20840 / 20461	DEF AT Arenaceous fauna (local marker)	POS AT 5
20870 / 20485	DEF AT Bathysiphon fauna	POS AT 5
20960 / 20555	DEF AT local marker foram decrease	POS AT 5
21940 / 21317	DEF AT Arenaceous fauna (local marker)	POS AT 5
22000 / 21363	DEF AT local marker foram decrease	POS AT 5
22090 / 21432	DEF AT pyrite	DEF AT 5
22180 / 21502	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
22300 / 21595	DEF AT faunal change (no faunal increase)	DEF AT 4
22390 / 21665	DEF AT - - - - -	DEF AT 5
22595 / 21827	DEF AT - - - - -	DEF AT 4
22660 / 21878	DEF AT faunal change (no faunal increase)	DEF AT 5
22899 / 22066	DEF AT Bathysiphon fauna	POS AT 5
22900 / 22067	DEF AT turbid water facies	POS AT 5
22990 / 22138	DEF AT faunal change (no faunal increase)	DEF AT 5
23080 / 22209	DEF AT local marker planktic foram increase	DEF AT 5
23110 / 22232	DEF AT Bathysiphon fauna	DEF AT 5
23200 / 22303	DEF AT turbid water facies	POS AT 5
23350 / 22421	DEF AT local marker planktic foram increase	DEF AT 5
23380 / 22445	DEF AT foram flood	DEF AT 5
23590 / 22610	DEF AT turbid water facies	POS AT 5
23680 / 22681	DEF AT Arenaceous fauna (local marker)	POS AT 5
24460 / 23295	DEF AT Bathysiphon fauna	POS AT 5
24520 / 23343	DEF AT local marker foram increase	DEF AT 4
24730 / 23508	DEF AT turbid water facies	POS AT 4
24760 / 23532	DEF AT faunal change (no faunal increase)	DEF AT 4
24820 / 23579	DEF AT local marker foram decrease	DEF AT 4
24850 / 23602	DEF AT faunal change (no faunal increase)	DEF AT 5
24910 / 23650	DEF AT transported shelf fauna	POS AT 5
25029 / 23743	DEF AT pyrite	POS AT 5
25030 / 23744	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	POS AT 5
25210 / 23885	DEF AT faunal change (no faunal increase)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
25360 / 24002	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25390 / 24026	DEF AT pyrite	DEF AT 4
25660 / 24237	DEF AT local marker foram increase	DEF AT 5
25750 / 24308	DEF AT local marker foram decrease	DEF AT 4
26020 / 24520	POS AT local marker foram increase	DEF AT 5
26049 / 24543	POS AT glauconite	DEF AT 5
26050 / 24543	DEF AT foram flood	DEF AT 5
26139 / 24613	POS AT glauconite	DEF AT 5
26140 / 24614	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
26230 / 24685	DEF AT local marker foram decrease	DEF IN 4
26320 / 24756	DEF AT local marker planktic foram increase	DEF AT 5
26439 / 24849	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26440 / 24850	DEF AT local marker planktic foram increase	DEF AT 5
26500 / 24897	DEF AT local marker foram decrease	DEF IN 4
26860 / 25180	DEF AT transported shelf fauna	DEF IN 4
26950 / 25251	DEF AT foram flood	DEF AT 5
26976 / 25271	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 01-SEP-2007	First Sample Examined: 26980
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 26980 - 29780	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Big North Prospect, calcareous nannofossil report, paleo done by Anatoliy Shumnuk, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
26980 / 25300	DEF AT first sample examined	DEF AT
26981 / 25300	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27020 / 25333	DEF AT local marker floral decrease	DEF AT
27110 / 25408	DEF AT local marker floral increase	DEF AT
27200 / 25485	DEF AT local marker floral decrease	DEF AT
27350 / 25612	DEF AT local marker floral increase	DEF AT
27410 / 25664	DEF AT local marker floral decrease	DEF AT
27490 / 25733	DEF AT floral flood	DEF AT
27540 / 25776	DEF AT local marker floral decrease	DEF AT
27860 / 26056	DEF AT floral flood	DEF AT
28010 / 26190	DEF AT local marker floral decrease	DEF AT
28130 / 26297	DEF AT local marker floral increase	DEF AT
28219 / 26377	DEF AT floral flood	DEF AT
28220 / 26378	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
28460 / 26595	DEF AT local marker floral decrease	DEF AT
28700 / 26813	DEF AT floral flood	DEF AT
28910 / 27006	DEF AT local marker floral decrease	DEF AT
28970 / 27061	DEF AT floral flood	DEF AT
29150 / 27228	DEF AT local marker floral decrease	DEF AT
29240 / 27312	DEF AT reworked material	DEF AT
29389 / 27451	DEF AT floral flood	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 01-SEP-2007	First Sample Examined: 26980
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 26980 - 29780	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
29390 / 27452	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
29600 / 27649	DEF AT local marker floral decrease	DEF AT
29750 / 27790	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
29780 / 27818	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 09-NOV-2007	First Sample Examined: 27020
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 27020 - 29820	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Big North Prospect, paleo done by Bruce Desselle, foram species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
27020 / 25333	DEF AT first sample examined	DEF AT 5
27021 / 25334	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
27259 / 25535	DEF AT Bathysiphon fauna	DEF AT 5
27260 / 25535	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
27350 / 25612	DEF AT transported inner shelf facies	POS AT 5
27380 / 25638	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
27410 / 25664	DEF AT local marker foram decrease	DEF AT 5
27500 / 25741	DEF AT local marker planktic foram increase	DEF AT 5
27679 / 25897	DEF AT pyrite	POS AT 5
27680 / 25898	DEF AT transported inner shelf facies	POS AT 5
27710 / 25924	DEF AT local marker foram decrease	POS AT 5
27860 / 26056	DEF AT foram flood	DEF AT 5
27920 / 26110	DEF AT local marker foram decrease	DEF AT 5
27980 / 26163	DEF AT Bathysiphon fauna	DEF AT 5
28070 / 26244	DEF AT pyrite	DEF AT 5
28130 / 26297	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 5
28220 / 26378	DEF AT foram flood	DEF AT 5
28340 / 26486	DEF AT local marker benthic foram increase	DEF AT 5
28460 / 26595	DEF AT local marker foram decrease	DEF IN 4
28700 / 26813	DEF AT local marker deep water fauna	DEF AT 5
28850 / 26951	DEF AT faunal change (no faunal increase)	DEF IN 4
28970 / 27061	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 860	Date of Summary: 09-NOV-2007	First Sample Examined: 27020
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 27020 - 29820	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
29000 / 27089	DEF AT foram flood	DEF AT 5
29120 / 27200	DEF AT pyrite	DEF AT 5
29240 / 27312	DEF AT siltstone	DEF AT 5
29360 / 27424	DEF AT transported inner shelf facies	POS AT 5
29390 / 27452	POS IN Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
29419 / 27479	DEF AT Bathysiphon fauna	DEF IN 4
29420 / 27480	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF IN 4
29480 / 27536	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 4
29540 / 27592	DEF AT Eggerella sp. (local marker)	DEF IN 4
29690 / 27733	DEF AT turbid water facies	POS IN 4
29720 / 27762	DEF AT faunal change (no faunal increase)	DEF IN 4
29779 / 27817	DEF AT turbid water facies	POS IN 4
29780 / 27818	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS IN 4
29820 / 27856	DEF AT last sample examined	POS IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4900
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4900 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Yorktown Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4900 / 4900	DEF AT first sample examined	DEF AT 5
4959 / 4959	DEF AT pyrite	DEF AT 5
4960 / 4960	DEF AT local marker planktic foram increase	DEF AT 5
5050 / 5050	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
5110 / 5110	DEF AT pyrite	DEF AT 5
5170 / 5170	DEF AT local marker benthic foram increase	DEF AT 5
5260 / 5260	DEF AT - - - - -	POS AT 5
5860 / 5860	DEF AT pyrite	POS AT 5
5889 / 5889	DEF AT local marker planktic foram increase	DEF AT 6
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
5920 / 5920	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 6
5949 / 5949	DEF AT pyrite	DEF AT 5
5950 / 5950	DEF AT local marker foram decrease	DEF AT 5
6040 / 6040	DEF AT - - - - -	POS AT 5
6160 / 6160	DEF AT pyrite	POS AT 5
6219 / 6218	DEF AT foram flood	DEF AT 6
6220 / 6219	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 6
6250 / 6249	DEF AT - - - - -	DEF AT 5
6340 / 6339	POS AT pyrite	DEF AT 5
6460 / 6459	DEF AT - - - - -	POS AT 5
6700 / 6698	DEF AT - - - - -	DEF AT 5
6759 / 6757	DEF AT reworked material	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4900
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4900 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
6760 / 6758	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
6790 / 6788	DEF AT - - - - -	POS AT 5
7179 / 7177	DEF AT foram flood	DEF AT 6
7180 / 7178	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 6
7210 / 7208	DEF AT local marker (general)	DEF AT 5
7270 / 7267	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 5
7300 / 7297	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
7330 / 7327	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7420 / 7417	DEF AT cement	POS AT 5
7450 / 7447	DEF AT pyrite	POS AT 5
7690 / 7687	DEF AT pyrite	POS AT 5
7719 / 7716	DEF AT gypsum	POS AT 5
7720 / 7717	POS IN salt	POS AT 5
7780 / 7777	DEF AT salt	POS AT 5
16230 / 16216	DEF AT base of salt	DEF AT 4
16231 / 16217	DEF AT out-of-place section	DEF AT 4
16232 / 16218	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
16260 / 16246	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
16290 / 16276	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 5
16319 / 16305	DEF AT pyrite	DEF AT 5
16320 / 16306	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
16350 / 16336	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
16410 / 16396	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
16440 / 16426	DEF AT - - - - -	POS AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4900
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4900 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16520 / 16506	DEF AT pyrite	DEF AT 5
16550 / 16536	DEF AT local marker benthic foram increase	DEF AT 5
16570 / 16556	DEF AT cement	POS AT 5
16710 / 16696	POS IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
16740 / 16726	DEF AT pyrite	DEF AT 6
16770 / 16756	DEF AT - - - - -	DEF AT 5
16955 / 16941	DEF AT sample gap top	POS AT 5
17075 / 17061	DEF AT sample gap bottom	POS AT 5
17100 / 17086	DEF AT cement	DEF AT 4
17160 / 17146	DEF AT pyrite	DEF AT 4
17190 / 17176	DEF AT - - - - -	POS AT 4
17280 / 17266	DEF AT pyrite	POS AT 4
17340 / 17326	DEF AT - - - - -	DEF AT 5
17430 / 17416	DEF AT pyrite	POS AT 5
17490 / 17476	DEF AT drilling material	POS AT 5
17790 / 17776	DEF AT pyrite	POS AT 5
17939 / 17924	DEF AT pyrite	POS AT 5
17940 / 17925	POS AT local marker foram increase	POS AT 5
18060 / 18044	DEF AT drilling material	POS AT 5
18210 / 18192	POS IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
18298 / 18279	DEF AT - - - - -	POS AT 4
18320 / 18300	DEF AT cement	POS AT 4
18540 / 18517	DEF AT drilling material	POS AT 4
18630 / 18606	POS AT pyrite	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4900
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4900 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18870 / 18844	DEF AT - - - - -	DEF AT 5
18930 / 18904	DEF AT pyrite	DEF AT 5
19020 / 18993	DEF AT Arenaceous fauna (local marker)	DEF AT 5
19140 / 19113	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
19380 / 19352	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
19410 / 19381	DEF AT pyrite	DEF AT 5
19560 / 19531	DEF AT - - - - -	POS AT 5
19890 / 19860	DEF AT - - - - -	DEF AT 4
20026 / 19996	DEF AT pyrite	DEF AT 4
20100 / 20070	DEF AT pyrite	DEF AT 4
20149 / 20119	DEF AT pyrite	DEF AT 4
20150 / 20120	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 4
20330 / 20299	POS AT pyrite	DEF AT 4
21080 / 21048	DEF AT drilling material	POS AT 4
21230 / 21198	DEF AT - - - - -	DEF AT 4
21350 / 21318	DEF AT drilling material	DEF AT 4
21650 / 21618	DEF AT reworked material	DEF AT 4
21950 / 21917	DEF AT Bathysiphon fauna	DEF AT 4
22069 / 22036	DEF AT reworked material	DEF AT 4
22070 / 22037	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
22195 / 22162	DEF AT - - - - -	POS AT 4
22370 / 22337	POS AT Arenaceous fauna (local marker)	DEF AT 4
22490 / 22457	POS AT Arenaceous fauna (local marker)	DEF AT 4
22550 / 22517	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4900
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 4900 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
22580 / 22547	DEF AT Bathysiphon fauna	DEF AT 4
22700 / 22667	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
22819 / 22786	DEF AT pyrite	DEF AT 5
22820 / 22787	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
22910 / 22877	DEF AT pyrite	DEF AT 5
22940 / 22907	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
23090 / 23057	DEF AT limestone	DEF AT 5
23120 / 23087	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23240 / 23207	DEF AT local marker foram increase	DEF AT 5
23300 / 23267	DEF AT pyrite	DEF AT 5
23385 / 23351	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4883
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4883 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Yorktown Prospect, calcareous nannofossil report, the first several samples directly underneath (16230-16290) the salt contains a mixture of middle and Upper Miocene nannos, from 16290 to at least 16519 the flora appear to be in reverse order (upside-down), 16550 is believed to be the top of the in-place section, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4883 / 4883	DEF AT first sample examined	DEF AT
4930 / 4930	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
4960 / 4960	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5590 / 5590	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5920 / 5920	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
6220 / 6219	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6370 / 6369	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6670 / 6668	DEF AT reworked material	DEF AT
6910 / 6908	DEF AT reworked material	DEF AT
7090 / 7088	DEF AT reworked material	DEF AT
7180 / 7178	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7240 / 7237	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7450 / 7447	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
7780 / 7777	DEF AT salt	DEF AT
16230 / 16216	DEF AT base of salt	DEF AT
16231 / 16217	DEF AT out-of-place section	DEF AT
16232 / 16218	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
16290 / 16276	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16380 / 16366	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16410 / 16396	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 886	Date of Summary: 01-OCT-2003	First Sample Examined: 4883
Lease Number: G24121	Source of Paleo: OPERATOR	Borehole MD: 23385
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 23351
API Well Number: 608174100200	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 4883 - 23385	Water Depth: 2084
Public Info Code: Y 19-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
16440 / 16426	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16470 / 16456	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
16550 / 16536	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16712 / 16698	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
16830 / 16816	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16920 / 16906	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
16955 / 16941	DEF AT sample gap top	DEF AT
17075 / 17061	DEF AT sample gap bottom	DEF AT
17340 / 17326	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
17970 / 17955	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
18150 / 18133	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
18780 / 18755	POS AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
19140 / 19113	DEF AT Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
19410 / 19381	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20120 / 20090	POS AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
20600 / 20569	DEF IN Upper Miocene (Tortonian) Helicosphaera walbersdorfensis	DEF AT
21630 / 21598	DEF AT reworked material	DEF AT
22070 / 22037	DEF AT reworked material	DEF AT
22190 / 22157	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
22430 / 22397	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (increase)	DEF AT
22550 / 22517	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
22790 / 22757	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
22910 / 22877	DEF IN Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
23360 / 23326	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 30-DEC-1997	First Sample Examined: 6300
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20014
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 19418
API Well Number: 608174058000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6300 - 19911	Water Depth: 4394
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8500 / 8500	DEF AT first sample examined	DEF AT 4
8800 / 8800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS AT 4
8980 / 8980	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
9070 / 9070	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	POS AT 4
9220 / 9220	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
9250 / 9250	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9280 / 9280	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9340 / 9340	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9490 / 9490	DEF AT - - - - -	DEF AT 4
9760 / 9760	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 4
10000 / 10000	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10060 / 10060	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
10179 / 10179	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10180 / 10180	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10420 / 10420	DEF AT - - - - -	DEF AT 4
10660 / 10660	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
11080 / 11080	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 4
11170 / 11170	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
14020 / 14019	DEF AT - - - - -	POS AT 4
14440 / 14439	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 4
14470 / 14469	DEF AT - - - - -	POS AT 5
15970 / 15944	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	POS AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 30-DEC-1997	First Sample Examined: 6300
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20014
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 19418
API Well Number: 608174058000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6300 - 19911	Water Depth: 4394
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
17740 / 17528	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 5
17920 / 17684	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 5
18160 / 17891	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
18550 / 18220	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
19458 / 18961	DEF AT - - - -	POS AT 4
19911 / 19336	DEF AT last sample examined	POS AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 23-JAN-1998	First Sample Examined: 15030
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 19782
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 18790
API Well Number: 608174058001	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15030 - 19782	Water Depth: 4393
Public Info Code: Y 03-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15030 / 15025	DEF AT first sample examined	DEF AT 6
15720 / 15682	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
15840 / 15793	DEF AT - - - - -	POS AT 6
16200 / 16113	DEF AT - - - - -	DEF AT 5
16380 / 16262	DEF AT local marker deep water fauna	DEF AT 5
18660 / 17965	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
19170 / 18339	POS AT Upper Miocene (Tortonian) Discorbis 12	POS AT 5
19230 / 18383	DEF AT local marker deep water fauna	DEF AT 5
19410 / 18516	DEF AT - - - - -	POS AT 5
19782 / 18790	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 01-MAY-2000	First Sample Examined: 11980
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20363
Well Name: SS006	Paleo Done By: OPERATOR	Borehole TVD: 18255
API Well Number: 608174087800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 3	Sample Range: 11980 - 20363	Water Depth: 4393
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Company-integrated foram and nanno report, 16228=possible disconformity, 19610=sheath appears inverted below salt, 19879=base of sheath, top of normal section

MD / TVD	Paleo Top Description		Ecozone		
11980 / 11506	DEF	AT first sample examined	DEF	AT	4
11981 / 11507	DEF	IN Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	4
12400 / 11732	POS	AT reworked material	DEF	AT	4
13120 / 12132	DEF	IN Upper Miocene (Tortonian) Discoaster bergenii (variety)	DEF	AT	4
14590 / 12968	POS	AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF	AT	4
15400 / 13524	DEF	AT reworked material	DEF	AT	4
16080 / 14101	POS	AT reworked material	DEF	AT	4
16228 / 14236	DEF	AT unconformity	DEF	AT	4
16229 / 14237	POS	AT condensed section	DEF	AT	4
16230 / 14238	DEF	AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
16490 / 14482	DEF	IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF	AT	4
16640 / 14625	DEF	AT Upper Miocene (Tortonian) Discoaster bollii	DEF	AT	4
16790 / 14768	DEF	AT Upper Miocene (Tortonian) Catinaster coalitus	DEF	AT	4
16830 / 14807	DEF	AT condensed section	DEF	AT	4
16910 / 14884	DEF	IN salt	DEF	AT	4
19609 / 17508	DEF	AT base of salt	DEF	AT	4
19610 / 17509	DEF	IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF	AT	4
19690 / 17588	POS	IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT	4
19703 / 17601	DEF	IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF	AT	4
19879 / 17775	POS	AT out-of-place section	DEF	AT	4
19880 / 17776	POS	IN Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 01-MAY-2000	First Sample Examined: 11980
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20363
Well Name: SS006	Paleo Done By: OPERATOR	Borehole TVD: 18255
API Well Number: 608174087800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 3	Sample Range: 11980 - 20363	Water Depth: 4393
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
20140 / 18034	POS IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
20230 / 18123	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
20363 / 18255	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 15-MAY-2000	First Sample Examined: 11980
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20363
Well Name: SS006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18255
API Well Number: 608174087800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 3	Sample Range: 11980 - 20350	Water Depth: 4393
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Crosby Prospect

MD / TVD	Paleo Top Description	Ecozone
11980 / 11506	DEF AT first sample examined	DEF AT 5
11981 / 11507	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
12010 / 11522	DEF AT - - - - -	DEF AT 4
12730 / 11916	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12910 / 12017	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 4
14050 / 12659	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
14200 / 12745	DEF AT - - - - -	DEF AT 5
14230 / 12762	DEF AT - - - - -	DEF AT 4
14320 / 12813	DEF AT - - - - -	DEF AT 5
14350 / 12830	DEF AT - - - - -	DEF AT 4
14530 / 12933	DEF IN - - - - -	DEF AT 5
14560 / 12951	DEF AT - - - - -	DEF AT 4
14590 / 12968	DEF AT - - - - -	DEF AT 5
14620 / 12986	DEF AT - - - - -	DEF AT 4
15310 / 13454	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
16260 / 14265	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
16290 / 14293	DEF AT local marker planktic foram increase	DEF AT 4
16330 / 14330	DEF AT - - - - -	DEF AT 5
16360 / 14359	DEF AT - - - - -	DEF AT 4
16440 / 14434	DEF AT - - - - -	DEF AT 5
16480 / 14472	DEF AT - - - - -	DEF AT 4
16530 / 14520	DEF AT - - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 15-MAY-2000	First Sample Examined: 11980
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20363
Well Name: SS006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18255
API Well Number: 608174087800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 2 of 3	Sample Range: 11980 - 20350	Water Depth: 4393
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16540 / 14529	DEF IN -----	DEF AT 4
16580 / 14567	DEF AT -----	DEF AT 5
16600 / 14587	DEF AT -----	DEF AT 4
16680 / 14663	DEF AT -----	DEF AT 5
16690 / 14672	DEF AT -----	DEF AT 4
16749 / 14729	DEF AT reworked material	DEF AT 4
16750 / 14730	POS AT Lower (Early) Miocene	DEF AT 4
16751 / 14731	POS AT Oligocene	DEF AT 4
16759 / 14739	DEF AT reworked material	DEF AT 4
16760 / 14740	POS AT Oligocene Anahuac Formation/Provincial Stage	DEF AT 4
16799 / 14777	DEF AT reworked material	DEF AT 4
16800 / 14778	POS AT Oligocene	DEF AT 4
16870 / 14845	POS AT Lower (Early) Miocene	DEF AT 4
16871 / 14846	POS AT Oligocene	DEF AT 4
16880 / 14855	DEF AT -----	DEF AT 5
16890 / 14865	DEF AT -----	DEF AT 4
17020 / 14991	DEF AT -----	DEF AT 5
17030 / 15001	DEF AT -----	DEF AT 4
17990 / 15928	DEF AT -----	DEF AT 5
19650 / 17549	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 4
19680 / 17578	DEF AT -----	DEF AT 4
19740 / 17638	DEF AT -----	DEF AT 5
19780 / 17677	DEF AT -----	DEF AT 4
20350 / 18242	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 01-JUN-2000	First Sample Examined: 11980
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20363
Well Name: SS006	Paleo Done By: BUGWARE, INC.	Borehole TVD: 18255
API Well Number: 608174087800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 3 of 3	Sample Range: 11980 - 20360	Water Depth: 4393
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Crosby Prospect, calcareous nannofossil report, 20050=Catinaster coalitus persistent to base of section, 20150=Discoaster hamatus persistent to base of section

MD / TVD	Paleo Top Description	Ecozone
11980 / 11506	DEF AT first sample examined	DEF AT
11981 / 11507	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12310 / 11683	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12550 / 11814	POS AT Upper Miocene (Tortonian) Discoaster bergenii (variety)	DEF AT
14170 / 12728	DEF AT local marker floral increase	DEF AT
14680 / 13022	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
15990 / 14019	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
16080 / 14101	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16140 / 14155	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16230 / 14238	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16260 / 14265	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16440 / 14434	POS AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
16490 / 14482	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16640 / 14625	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
16680 / 14663	POS AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
16770 / 14749	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
16830 / 14807	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
16880 / 14855	DEF AT reworked material	DEF AT
16910 / 14884	DEF IN Upper Miocene (Tortonian) Catinaster coalitus (very rare)	DEF AT
16911 / 14885	DEF AT salt	DEF AT
19400 / 17302	DEF AT base of salt	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 01-JUN-2000	First Sample Examined: 11980
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20363
Well Name: SS006	Paleo Done By: BUGWARE, INC.	Borehole TVD: 18255
API Well Number: 608174087800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 3 of 3	Sample Range: 11980 - 20360	Water Depth: 4393
Public Info Code: Y 25-MAY-2010	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
19640 / 17539	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19641 / 17540	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
19642 / 17541	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (very rare)	DEF AT
19670 / 17568	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19680 / 17578	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
19700 / 17598	DEF AT local marker floral increase	DEF AT
19720 / 17618	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
19721 / 17619	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
19860 / 17756	DEF AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
19890 / 17786	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20050 / 17945	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20150 / 18044	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20260 / 18153	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
20347 / 18239	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20348 / 18240	DEF IN Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
20349 / 18241	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
20350 / 18242	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 16-MAY-2000	First Sample Examined: 17825
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20401
Well Name: SS006	Paleo Done By: OPERATOR	Borehole TVD: 18270
API Well Number: 608174087802	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 17825 - 20402	Water Depth: 4393
Public Info Code: Y 09-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Calcareous nannofossil report, 18999=disconformity, 19000=top of sheath which appears inverted, and reworked Paleogene nannos noted, 19160=base of sheath, floral change and disconformity

MD / TVD	Paleo Top Description	Ecozone
17825 / 15761	DEF AT first sample examined	DEF AT
17826 / 15762	DEF IN salt	DEF AT
18999 / 16888	POS AT unconformity	DEF AT
19000 / 16889	DEF AT reworked material	DEF AT
19001 / 16890	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
19160 / 17045	POS AT unconformity	DEF AT
19219 / 17103	POS AT reworked material	DEF AT
19220 / 17104	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19320 / 17201	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
19321 / 17202	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
19659 / 17534	POS AT reworked material	DEF AT
19660 / 17535	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20402 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 899	Date of Summary: 28-JUN-2000	First Sample Examined: 18820
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20859
Well Name: SS006	Paleo Done By: OPERATOR	Borehole TVD: 18498
API Well Number: 608174087804	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 18820 - 20810	Water Depth: 4393
Public Info Code: Y 01-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 19310=definite top of sheath and disconformity, 19390=base of sheath and disconformity, 19940=slight floral assemblage change

MD / TVD	Paleo Top Description	Ecozone
18820 / 16703	DEF AT first sample examined	DEF AT
18821 / 16704	DEF IN salt	DEF AT
19280 / 17123	POS AT base of salt	DEF AT
19309 / 17149	POS AT unconformity	DEF AT
19310 / 17150	DEF IN Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
19389 / 17221	DEF AT unconformity	DEF AT
19390 / 17222	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
20340 / 18044	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20670 / 18329	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
20810 / 18454	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 01-NOV-1998	First Sample Examined:	13980
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD:	16600
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD:	15101
API Well Number: 608174082001	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation:	82
Paleo Report Num: 1 of 2	Sample Range: 10200 - 16600	Water Depth:	3927
Public Info Code: Y 05-DEC-2008	Ecozone Eq MMS: Y	Paleo ID:	002

Remark: Bypass report, 15780=Anomalina semicibratus, 16260 and 16380=rare occurrence of Bolivina thalmani, reworked, 16320=Robulus 64

MD / TVD	Paleo Top Description	Ecozone
13980 / 13150	DEF AT first sample examined	DEF AT 6
13981 / 13151	DEF IN Miocene	DEF AT 6
14100 / 13234	DEF AT faunal change (no faunal increase)	DEF AT 5
14340 / 13406	DEF AT local marker foram decrease	DEF AT 5
14670 / 13648	DEF AT local marker planktic foram increase	DEF AT 6
14880 / 13805	DEF AT faunal change (no faunal increase)	DEF AT 5
14940 / 13850	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
15270 / 14094	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 6
15300 / 14116	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
15420 / 14205	DEF AT faunal change (no faunal increase)	DEF AT 5
15600 / 14341	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
15780 / 14476	DEF AT local marker (general)	DEF AT 5
15960 / 14612	DEF AT sample gap top	POS AT 5
16050 / 14681	DEF AT sample gap bottom	DEF AT 5
16260 / 14841	DEF AT reworked material	DEF AT 5
16320 / 14887	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 5
16600 / 15102	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 15-DEC-1998	First Sample Examined: 14000
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 16600
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15101
API Well Number: 608174082001	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 14000 - 16590	Water Depth: 3927
Public Info Code: Y 05-DEC-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report for bypass, 14001=Discoaster neoerectus, middle Miocene reworking begins at 14670 and occurs through last sample examined

MD / TVD	Paleo Top Description	Ecozone
14000 / 13164	DEF AT first sample examined	DEF AT
14001 / 13165	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
14130 / 13255	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
14490 / 13515	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
14670 / 13648	DEF AT reworked material	DEF AT
16080 / 14704	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16380 / 14933	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16470 / 15002	DEF AT Upper Miocene (Tortonian) Discoaster bellus	DEF AT
16590 / 15094	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 01-MAR-1999	First Sample Examined: 16480
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 22435
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21745
API Well Number: 608174082003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11080 - 22420	Water Depth: 3927
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 19630=middle Miocene zone of reworking, the rarity or lack of Bolivina floridana (20080), Bolivina L (20140), Gyroidina scalata, and Uvigerina 3 may be due to either environmental intolerances or possibly missing section, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16480 / 16079	DEF AT first sample examined	DEF AT 6
16481 / 16080	DEF AT local marker planktic foram increase	DEF AT 6
16630 / 16214	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 6
16720 / 16294	DEF AT transported shelf fauna	DEF AT 5
16780 / 16348	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5
16960 / 16509	DEF AT faunal change (no faunal increase)	POS AT 5
17380 / 16883	DEF AT faunal change (no faunal increase)	DEF AT 5
17440 / 16937	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
17530 / 17017	DEF AT cement	DEF AT 5
17531 / 17018	DEF AT local marker foram decrease	DEF AT 5
17920 / 17366	DEF AT faunal change (no faunal increase)	DEF AT 4
18100 / 17528	DEF AT local marker planktic foram increase	DEF AT 5
18160 / 17582	DEF AT faunal change (no faunal increase)	DEF AT 5
18310 / 17719	DEF AT local marker foram increase	DEF AT 6
18311 / 17720	DEF AT pyrite	DEF AT 6
18370 / 17774	DEF AT faunal change (no faunal increase)	DEF AT 5
18730 / 18108	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 5
18850 / 18221	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
19150 / 18507	DEF AT local marker planktic foram increase	DEF AT 5
19360 / 18709	DEF AT reworked material	DEF AT 5
19510 / 18853	DEF AT Arenaceous fauna (local marker)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 01-MAR-1999	First Sample Examined: 16480
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 22435
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 21745
API Well Number: 608174082003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 11080 - 22420	Water Depth: 3927
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
19630 / 18969	DEF AT cement	DEF AT 5
19631 / 18970	DEF AT local marker foram decrease	DEF AT 5
19720 / 19057	DEF AT local marker planktic foram increase	DEF AT 6
19780 / 19115	DEF AT faunal change (no faunal increase)	DEF AT 5
20020 / 19350	DEF AT faunal change (no faunal increase)	DEF AT 4
20140 / 19468	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20350 / 19674	DEF AT faunal change (no faunal increase)	DEF AT 5
20470 / 19793	DEF AT local marker planktic foram increase	DEF AT 5
20590 / 19911	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
21130 / 20445	DEF AT faunal change (no faunal increase)	POS AT 5
21430 / 20744	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21460 / 20774	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
21640 / 20953	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
21700 / 21013	POS IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 5
21850 / 21162	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
21880 / 21192	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
22030 / 21342	DEF AT local marker planktic foram increase	DEF AT 6
22150 / 21461	DEF AT faunal change (no faunal increase)	DEF AT 5
22210 / 21521	DEF AT Arenaceous fauna (local marker)	DEF AT 5
22420 / 21730	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 01-MAR-1999	First Sample Examined: 16450
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 22435
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 21745
API Well Number: 608174082003	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 16450 - 22420	Water Depth: 3927
Public Info Code: Y 23-MAR-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
16450 / 16052	DEF AT first sample examined	DEF AT
16451 / 16053	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17110 / 16642	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
18100 / 17528	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
18350 / 17755	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
18820 / 18193	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
19000 / 18364	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
19750 / 19086	DEF AT local marker floral increase	DEF AT
20770 / 20089	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
20860 / 20178	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
21010 / 20326	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21130 / 20445	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21430 / 20744	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyreii	DEF AT
21760 / 21073	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (very rare)	DEF AT
22030 / 21342	DEF AT local marker floral increase	DEF AT
22420 / 21730	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 01-OCT-1998	First Sample Examined: 7490
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13125
API Well Number: 608174082000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6114 - 14100	Water Depth: 3927
Public Info Code: Y 26-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 11460=Streptochilus sp, 12300=Planulina mexicana variety

MD / TVD	Paleo Top Description	Ecozone
7490 / 7490	DEF AT first sample examined	DEF AT 5
7491 / 7491	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
7730 / 7730	DEF AT faunal change (no faunal increase)	DEF AT 4
8090 / 8089	DEF AT local marker benthic foram increase	DEF AT 4
8600 / 8599	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
8780 / 8779	DEF AT local marker foram increase	DEF AT 5
9020 / 9019	DEF AT faunal change (no faunal increase)	DEF AT 4
9230 / 9229	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 6
9231 / 9230	POS AT condensed section	DEF AT 6
9260 / 9259	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
9380 / 9379	DEF AT faunal change (no faunal increase)	DEF AT 5
9470 / 9469	POS AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 5
9560 / 9559	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9590 / 9589	DEF AT local marker foram increase	DEF AT 6
9710 / 9709	DEF AT faunal change (no faunal increase)	DEF AT 5
9770 / 9769	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
9890 / 9889	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10080 / 10079	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10380 / 10378	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
10500 / 10496	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10800 / 10788	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
10860 / 10845	DEF AT local marker foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 01-OCT-1998	First Sample Examined: 7490
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13125
API Well Number: 608174082000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6114 - 14100	Water Depth: 3927
Public Info Code: Y 26-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11099 / 11066	POS AT condensed section	DEF AT 5
11100 / 11067	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11130 / 11094	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11220 / 11174	DEF AT faunal change (no faunal increase)	DEF AT 4
11700 / 11567	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 4
11820 / 11657	DEF AT faunal change (no faunal increase)	DEF AT 5
12299 / 12003	DEF AT local marker foram decrease	DEF AT 5
12300 / 12004	DEF IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 5
12660 / 12252	DEF AT reworked material	DEF AT 5
12720 / 12294	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 6
13080 / 12538	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
13169 / 12597	DEF AT reworked material	DEF AT 5
13170 / 12598	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
13830 / 13035	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
14100 / 13214	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 941	Date of Summary: 15-DEC-1998	First Sample Examined: 7340
Lease Number: G16661	Source of Paleo: OPERATOR	Borehole MD: 14100
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13125
API Well Number: 608174082000	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 6114 - 14100	Water Depth: 3927
Public Info Code: Y 26-SEP-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 9555=Dictyococcites productus, 11160=Discoaster preberggrenii, 12930=Discoaster icaris, 13920=Helicosphaera sp B, hiatuses occur at 7400, 8630, and 9551

MD / TVD	Paleo Top Description	Ecozone
7340 / 7340	DEF AT first sample examined	DEF AT
7341 / 7341	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
7400 / 7400	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8630 / 8629	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9260 / 9259	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
9555 / 9554	DEF AT Lower Pliocene (Zanclian) Discoaster quintatus	DEF AT
10900 / 10882	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
11160 / 11121	DEF IN Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
12700 / 12280	POS AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
12930 / 12437	POS IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13380 / 12737	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13620 / 12897	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13920 / 13094	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
14100 / 13214	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MC 942	Date of Summary: 01-MAR-2001	First Sample Examined: 14740
Lease Number: G09895	Source of Paleo: OPERATOR	Borehole MD: 20907
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18601
API Well Number: 608174082401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14740 - 20890	Water Depth: 3957
Public Info Code: Y 10-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 17920=first Melonis pompilioides

MD / TVD	Paleo Top Description	Ecozone
14740 / 14740	DEF AT first sample examined	POS AT 4
15040 / 15036	DEF AT faunal change (no faunal increase)	DEF AT 4
16090 / 15962	DEF AT faunal change (no faunal increase)	POS AT 4
16630 / 16297	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
16690 / 16330	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 4
16900 / 16443	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
18070 / 17072	DEF AT faunal change (no faunal increase)	DEF AT 4
18310 / 17201	DEF AT faunal change (no faunal increase)	POS AT 4
18460 / 17281	DEF AT faunal change (no faunal increase)	DEF AT 4
18669 / 17391	DEF AT foram flood	DEF AT 4
18670 / 17392	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
20890 / 18592	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 565	Date of Summary: 19-NOV-1998	First Sample Examined: 6020
Lease Number: G18885	Source of Paleo: OPERATOR	Borehole MD: 8580
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8241
API Well Number: 427034052000	Drilling Operator: COCKRELL OIL CORPORATION	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 6020 - 8570	Water Depth: 79
Public Info Code: Y 13-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
6020 / 6019	DEF AT first sample examined	POS IN 3
6680 / 6662	POS AT Lower Miocene (Burdigalian) Robulus 54B	POS IN 3
6980 / 6934	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	POS IN 3
7460 / 7334	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	POS IN 3
8570 / 8235	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 633	Date of Summary: 22-JUN-1998	First Sample Examined: 0
Lease Number: G07202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13140
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 11040
API Well Number: 427034051601	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9323 / 8365	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10244 / 8987	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 682	Date of Summary: 08-OCT-2001	First Sample Examined: 0
Lease Number: G05171	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11673
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10533
API Well Number: 427034053400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 16-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
5667 / 5667	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6060 / 6060	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
7283 / 7280	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9030 / 8809	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9767 / 9278	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 683	Date of Summary: 08-AUG-2000	First Sample Examined: 0
Lease Number: G05171	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12221
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9905
API Well Number: 427034052900	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 16-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11220 / 9413	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 683	Date of Summary: 25-AUG-2000	First Sample Examined: 0
Lease Number: G05171	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12950
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10420
API Well Number: 427034052901	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 16-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11218 / 9412	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 704	Date of Summary: 08-FEB-2000	First Sample Examined: 0
Lease Number: G10203	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11230
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 9685
API Well Number: 427034052600	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 18-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5349 / 5349	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
5997 / 5997	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6448 / 6448	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6978 / 6977	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9407 / 8729	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10512 / 9339	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 704	Date of Summary: 25-APR-2000	First Sample Examined: 0
Lease Number: G10203	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12260
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 10246
API Well Number: 427034052603	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 18-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
5349 / 5349	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
5997 / 5997	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6448 / 6448	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
6978 / 6977	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9407 / 8714	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10600 / 9331	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MI 704	Date of Summary: 12-SEP-2000	First Sample Examined: 0
Lease Number: G10203	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13046
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10752
API Well Number: 427034052800	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 130
Public Info Code: Y 18-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5340 / 5340	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
5988 / 5988	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
6446 / 6446	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9500 / 8740	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10475 / 9347	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 822	Date of Summary: 02-FEB-1999	First Sample Examined: 0
Lease Number: G05056	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 21922
Well Name: 006	Paleo Done By: OPERATOR	Borehole TVD: 21817
API Well Number: 608154010601	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 05-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
19956 / 19851	DEF AT Jurassic Haynesville Formation	DEF AT 0
20751 / 20646	DEF AT Jurassic Smackover Formation	DEF AT 0
21566 / 21461	DEF AT Jurassic Norphlet Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 823	Date of Summary: 18-MAY-1998	First Sample Examined: 0
Lease Number: G05057	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22415
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 21755
API Well Number: 608154010500	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 47
Public Info Code: Y 14-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=aeolian sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22107 / 21468	DEF IN Jurassic Norphlet Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 904	Date of Summary: 31-JAN-2000	First Sample Examined: 0
Lease Number: G05749	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22978
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 22088
API Well Number: 608154011101	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 56
Public Info Code: Y 27-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13500 / 13499	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
15700 / 15630	DEF AT Lower Cretaceous Hosston (Travis Peak) Formation	DEF AT 0
17730 / 17431	POS AT Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT 0
21340 / 20621	DEF AT Jurassic Haynesville Formation	DEF AT 0
21710 / 20944	DEF AT Jurassic Smackover Formation	DEF AT 0
22524 / 21668	DEF IN Jurassic Smackover Formation	DEF AT 0
22809 / 21931	DEF AT pyrite	DEF AT
22832 / 21953	DEF AT Jurassic Norphlet Formation	DEF AT 0
23002 /	DEF IN Jurassic Norphlet Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 914	Date of Summary: 14-APR-1998	First Sample Examined: 0
Lease Number: G07846	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23906
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 22541
API Well Number: 608154010400	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 70
Public Info Code: Y 15-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21457 / 20453	DEF IN Jurassic Haynesville Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 917	Date of Summary: 18-OCT-1999	First Sample Examined: 0
Lease Number: G05754	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 2990
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 2206
API Well Number: 608154010900	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 09-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1865 / 1708	POS IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 918	Date of Summary: 02-FEB-1999	First Sample Examined: 0
Lease Number: G12114	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22822
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22820
API Well Number: 608154010700	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 06-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Paleo determined by correlation

MD / TVD	Paleo Top Description	Ecozone
20638 / 20636	DEF AT Jurassic Haynesville Formation	DEF AT 0
21270 / 21268	DEF AT Jurassic Smackover Formation	DEF AT 0
22630 / 22628	DEF AT dolomite	DEF AT 0
22654 / 22652	DEF AT Jurassic Norphlet Formation	DEF AT 0
22858 /	DEF IN Jurassic Norphlet Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 918	Date of Summary: 10-OCT-1999	First Sample Examined: 0
Lease Number: G12114	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22872
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 22829
API Well Number: 608154010701	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 66
Public Info Code: Y 09-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
20638 / 20636	DEF AT Jurassic Haynesville Formation	DEF AT 0
21275 / 21268	DEF AT Jurassic Smackover Formation	DEF AT 0
22722 / 22681	DEF AT Jurassic Norphlet Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 991	Date of Summary: 23-NOV-1998	First Sample Examined: 0
Lease Number: G15403	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15402
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15400
API Well Number: 608154010001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 07-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15038 / 15036	DEF IN Lower Cretaceous James Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 991	Date of Summary: 27-JAN-2000	First Sample Examined: 0
Lease Number: G15403	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16850
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15420
API Well Number: 608154011300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 83
Public Info Code: Y 19-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
14943 / 13797	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
15332 / 14115	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
15658 / 14376	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
16222 / 14849	DEF AT Lower Cretaceous Punta Gorda Formation	DEF AT 0
16710 / 15291	DEF IN Lower Cretaceous Punta Gorda Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MO 992	Date of Summary: 21-JUL-2000	First Sample Examined: 0
Lease Number: G15404	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15329
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15328
API Well Number: 608154011500	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 89
Public Info Code: Y 19-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12788 / 12787	DEF AT Lower Cretaceous James Formation	DEF AT 0
13758 / 13757	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT 0
14082 / 14081	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT 0
14352 / 14351	DEF AT Lower Cretaceous Rodessa Formation	DEF AT 0
15272 / 15271	DEF IN Lower Cretaceous James Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 7	Date of Summary: 07-DEC-2000	First Sample Examined: 0
Lease Number: G21700	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8100
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 8100
API Well Number: 177254069100	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 03-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4330 / 4330	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
4700 / 4700	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
7713 / 7713	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 61	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G16493	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7275
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7275
API Well Number: 177254069800	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 77
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 12-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5315 / 5315	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6950 / 6949	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 61	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G21702	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7988
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 7486
API Well Number: 177254070000	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 31-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5683 / 5385	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6792 / 6394	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
7612 / 7140	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 86	Date of Summary: 30-NOV-2000	First Sample Examined: 2000
Lease Number: G19852	Source of Paleo: OPERATOR	Borehole MD: 10500
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10494
API Well Number: 177254069300	Drilling Operator: DEVON LOUISIANA CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 2000 - 10500	Water Depth: 70
Public Info Code: Y 25-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2000 / 2000	DEF AT first sample examined	DEF AT 1
3320 / 3320	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
3950 / 3950	DEF AT - - - -	DEF AT 3
4100 / 4100	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
5990 / 5990	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
6230 / 6230	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
7970 / 7970	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10460 / 10454	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
10500 / 10494	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 91	Date of Summary: 08-MAY-1998	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9248
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 8627
API Well Number: 177254065200	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 04-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2248 / 2241	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
3357 / 3203	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
4878 / 4442	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5409 / 4897	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8124 / 7504	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 91	Date of Summary: 02-JUL-1998	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8805
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 5730
API Well Number: 177254065600	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 14-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2285 / 2246	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
3871 / 3239	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
6285 / 4437	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7102 / 4877	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 95	Date of Summary: 29-MAR-2005	First Sample Examined: 4530
Lease Number: G23965	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11500
API Well Number: 177254080500	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 97
Paleo Report Num: 1 of 2	Sample Range: 4530 - 12312	Water Depth: 60
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4530 / 4530	DEF AT first sample examined	DEF AT 2
4531 / 4531	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5580 / 5580	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6870 / 6870	DEF AT - - - - -	DEF AT 3
6930 / 6930	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
6990 / 6990	DEF AT - - - - -	DEF AT 4
10080 / 9773	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10590 / 10165	DEF AT - - - - -	DEF AT 5
10980 / 10465	DEF AT - - - - -	DEF AT 4
11970 / 11227	DEF AT - - - - -	DEF AT 5
12312 / 11500	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 95	Date of Summary: 29-MAR-2005	First Sample Examined: 4530
Lease Number: G23965	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11500
API Well Number: 177254080500	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 97
Paleo Report Num: 2 of 2	Sample Range: 4530 - 12312	Water Depth: 60
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
4530 / 4530	DEF AT first sample examined	DEF AT
4770 / 4770	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
6000 / 6000	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
6900 / 6900	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10020 / 9727	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
12312 / 11500	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 108	Date of Summary: 12-MAR-2001	First Sample Examined: 13160
Lease Number: G04832	Source of Paleo: OPERATOR	Borehole MD: 15510
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14177
API Well Number: 177254069203	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 131
Paleo Report Num: 1 of 2	Sample Range: 13160 - 15510	Water Depth: 70
Public Info Code: Y 08-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13160 / 12318	DEF AT first sample examined	DEF AT 5
13340 / 12473	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14060 / 13068	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
14330 / 13289	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
14390 / 13338	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
14420 / 13363	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
14660 / 13559	DEF AT - - - - -	DEF AT 5
15110 / 13919	DEF AT - - - - -	DEF AT 6
15290 / 14047	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
15510 / 14177	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 108	Date of Summary: 12-MAR-2001	First Sample Examined: 13160
Lease Number: G04832	Source of Paleo: OPERATOR	Borehole MD: 15510
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14177
API Well Number: 177254069203	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 131
Paleo Report Num: 2 of 2	Sample Range: 13160 - 15510	Water Depth: 70
Public Info Code: Y 08-JAN-2011	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13160 / 12318	DEF AT first sample examined	DEF AT
14030 / 13043	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
14330 / 13289	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
14420 / 13363	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
15020 / 13851	POS AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
15510 / 14177	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 162	Date of Summary: 01-JUN-1998	First Sample Examined: 7230
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 12690
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11400
API Well Number: 177244081700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7230 - 12690	Water Depth: 91
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7230 / 7201	DEF AT first sample examined	POS AT 2
7500 / 7455	DEF AT pyrite	DEF AT 2
7529 / 7481	DEF AT Eggerella sp. (local marker)	DEF AT 2
7530 / 7482	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 2
8100 / 7962	DEF AT Eggerella 3 (local marker)	POS AT 3
8520 / 8275	DEF AT - - - - -	POS AT 2
8940 / 8584	DEF AT pyrite	POS AT 2
11190 / 10305	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
11460 / 10498	DEF AT Eggerella sp. (local marker)	DEF AT 3
11520 / 10542	DEF AT Bathysiphon fauna	DEF AT 3
11550 / 10565	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 3
11729 / 10699	DEF AT pyrite	DEF AT 3
11730 / 10700	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 3
11848 / 10788	POS AT unconformity	DEF AT 3
11849 / 10789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 3
11850 / 10789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
11880 / 10812	DEF AT local marker benthic foram increase	DEF AT 3
11910 / 10834	DEF AT faunal change (no faunal increase)	DEF AT 4
11940 / 10856	DEF AT pyrite	DEF AT 4
12000 / 10901	DEF AT local marker foram increase	DEF AT 4
12090 / 10968	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12330 / 11143	DEF AT local marker planktic foram increase	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 162	Date of Summary: 01-JUN-1998	First Sample Examined: 7230
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 12690
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11400
API Well Number: 177244081700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7230 - 12690	Water Depth: 91
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12390 / 11187	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
12510 / 11273	DEF AT local marker benthic foram increase	DEF AT 5
12540 / 11294	DEF AT local marker foram increase	DEF AT 5
12660 / 11379	DEF AT local marker planktic foram increase	DEF AT 5
12690 / 11400	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 162	Date of Summary: 22-JUL-1998	First Sample Examined: 6960
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 11180
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10285
API Well Number: 177244082100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6960 - 11160	Water Depth: 91
Public Info Code: Y 20-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6960 / 6618	DEF AT first sample examined	DEF AT 3
6961 / 6619	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
6962 / 6620	DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 3
9360 / 8673	DEF AT Eggerella sp. (local marker)	DEF IN 3
9390 / 8699	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10890 / 10027	DEF AT local marker foram increase	DEF AT 4
11130 / 10240	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
11160 / 10267	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 162	Date of Summary: 22-JUL-1998	First Sample Examined: 7020
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 11180
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10285
API Well Number: 177244082100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 11160	Water Depth: 91
Public Info Code: Y 20-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7020 / 6669	DEF AT first sample examined	DEF AT
7260 / 6873	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9390 / 8699	DEF AT local marker floral increase	DEF AT
9480 / 8777	POS AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
9540 / 8830	DEF AT local marker floral decrease	DEF AT
9810 / 9067	DEF AT local marker floral increase	DEF AT
9870 / 9120	DEF AT local marker floral decrease	DEF AT
10890 / 10027	DEF AT local marker floral increase	DEF AT
10950 / 10080	DEF AT local marker floral decrease	DEF AT
11070 / 10187	DEF AT local marker floral increase	DEF AT
11160 / 10267	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 221	Date of Summary: 15-MAR-2006	First Sample Examined: 11980
Lease Number: G26163	Source of Paleo: OPERATOR	Borehole MD: 21921
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 21777
API Well Number: 177244092400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 11980 - 21921	Water Depth: 245
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, 15270= Santonian Nannoconus farinacciae LAD and Nannoconus regularis LAD, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11980 / 11979	DEF AT first sample examined	DEF AT
11981 / 11980	DEF IN Upper (Late) Cretaceous	DEF AT
15270 / 15198	DEF IN Upper Cretaceous Santonian Stage	DEF AT
15330 / 15257	DEF AT local marker floral decrease	DEF AT
15930 / 15840	POS AT Upper Cretaceous (Santonian) Eprolithus floralis	DEF AT
16170 / 16073	DEF AT local marker floral decrease	DEF AT
18509 / 18376	DEF AT Lower Cretaceous (Aptian) Nannoconus kamptneri	DEF AT
18510 / 18377	DEF AT Lower Cretaceous (Aptian) Nannoconus steinmanni	DEF AT
18570 / 18437	DEF AT local marker floral decrease	DEF AT
19200 / 19066	DEF AT local marker floral decrease	DEF AT
19320 / 19186	DEF AT Lower Cretaceous (Valanginian) Rucinolithus wisei	DEF AT
19440 / 19306	POS AT Lower Cretaceous (Berriasian) Polycostella senaria	DEF AT
19560 / 19426	DEF AT local marker floral decrease	DEF AT
20100 / 19966	DEF IN Lower Cretaceous (Barremian) Nannoconus colomii	DEF AT
20220 / 20085	DEF AT Upper Jurassic (Tithonian) Hexalithus noelae	DEF AT
20340 / 20205	DEF AT local marker floral decrease	DEF AT
20480 / 20345	POS AT local marker floral increase	DEF AT
21900 / 21756	DEF IN Lower Cretaceous-Upper Jurassic Cotton Valley Group/Provincial Stage	DEF AT
21921 / 21777	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 223	Date of Summary: 25-MAY-1998	First Sample Examined: 6690
Lease Number: G12096	Source of Paleo: OPERATOR	Borehole MD: 10547
Well Name: A007	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9884
API Well Number: 177244081800	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 3600 - 10547	Water Depth: 269
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6690 / 6456	DEF AT first sample examined	DEF AT 3
6691 / 6457	DEF IN Upper (Late) Miocene	DEF AT 3
7050 / 6776	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
7140 / 6855	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
7230 / 6935	DEF AT - - - - -	DEF AT 4
9001 / 8505	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10439 / 9785	POS AT unconformity	DEF IN 4
10440 / 9786	DEF AT local marker foram increase	DEF IN 4
10547 / 9884	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 223	Date of Summary: 14-APR-2000	First Sample Examined: 0
Lease Number: G12096	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15623
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 10224
API Well Number: 177244082300	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 265
Public Info Code: Y 06-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9865 / 6669	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT
12100 / 8066	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
14403 / 9502	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 223	Date of Summary: 12-MAR-2000	First Sample Examined: 0
Lease Number: G12096	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10508
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 8805
API Well Number: 177244085400	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 266
Public Info Code: Y 12-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6655 / 5335	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8320 / 6661	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
9200 / 7500	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 223	Date of Summary: 26-OCT-1998	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10330
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 9012
API Well Number: 177244082500	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 269
Public Info Code: Y 13-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6495 / 5744	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
7784 / 6833	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
8563 / 7505	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9240 / 8086	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 226	Date of Summary: 01-JAN-1999	First Sample Examined: 4200
Lease Number: G06825	Source of Paleo: OPERATOR	Borehole MD: 14949
Well Name: A004	Paleo Done By: PALEO SOURCE	Borehole TVD: 9356
API Well Number: 177244082700	Drilling Operator: NIPPON OIL EXPLORATION GULF	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 4200 - 14949	Water Depth: 172
Public Info Code: Y 20-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, 8730=below strong scour surface, 11520=upwelling with cold-water fauna, 12840=rare Gyroidina scalata, species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4200 / 3502	DEF AT first sample examined	POS IN 3
4350 / 3578	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
5880 / 4353	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF IN 3
7320 / 5114	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
7980 / 5475	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8729 / 5900	POS AT unconformity	DEF AT 5
8730 / 5901	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
10170 / 6728	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
10980 / 7135	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
11520 / 7415	DEF AT local marker foram increase	DEF AT 5
11730 / 7525	DEF IN Upper Miocene (Tortonian) Cibicides crebbi	DEF AT 5
12840 / 8101	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
13020 / 8198	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
13080 / 8230	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
13530 / 8490	DEF AT transported shelf fauna	DEF AT 5
14250 / 8927	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
14610 / 9144	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14949 / 9357	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 226	Date of Summary: 12-JUL-1999	First Sample Examined: 0
Lease Number: G06825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13195
Well Name: A006	Paleo Done By: OPERATOR	Borehole TVD: 9500
API Well Number: 177244083700	Drilling Operator: NIPPON OIL EXPLORATION U S A	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 172
Public Info Code: Y 19-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6600 / 5246	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9906 / 7346	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10616 / 7800	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12059 / 8792	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12599 / 9122	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 226	Date of Summary: 12-FEB-1999	First Sample Examined: 0
Lease Number: G16508	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10235
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 9400
API Well Number: 177244082600	Drilling Operator: NIPPON OIL EXPLORATION U S A	Rkb Elevation: 138
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 172
Public Info Code: Y 28-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
7385 / 6882	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8258 / 7649	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9480 / 8721	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
9904 / 9100	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 226	Date of Summary: 09-APR-1999	First Sample Examined: 13010
Lease Number: G16508	Source of Paleo: OPERATOR	Borehole MD: 16002
Well Name: A005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9728
API Well Number: 177244083100	Drilling Operator: NIPPON OIL EXPLORATION U S A	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 13010 - 16002	Water Depth: 172
Public Info Code: Y 22-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
13010 / 7844	DEF AT first sample examined	DEF AT 4
13700 / 8270	DEF AT - - - - -	DEF AT 5
13970 / 8421	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
14720 / 8845	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
14810 / 8905	DEF AT - - - - -	POS AT 6
15170 / 9146	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
16002 / 9728	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 242	Date of Summary: 14-JUL-2000	First Sample Examined: 0
Lease Number: G19864	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10669
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 4285
API Well Number: 177244086000	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 196
Public Info Code: Y 26-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1862 / 1680	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
4859 / 2654	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 250	Date of Summary: 14-MAY-1999	First Sample Examined: 0
Lease Number: G15387	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11915
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10117
API Well Number: 177244083201	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 319
Public Info Code: Y 16-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4179 / 3738	DEF AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT
8237 / 7108	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8693 / 7481	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
10917 / 9311	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 260	Date of Summary: 27-MAY-1998	First Sample Examined: 0
Lease Number: G07828	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12398
API Well Number: 177244081400	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 315
Public Info Code: Y 02-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8206 / 8205	DEF AT limestone	DEF AT
8896 / 8895	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9806 / 9805	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11546 / 11545	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 263	Date of Summary: 01-APR-2003	First Sample Examined: 9720
Lease Number: G23992	Source of Paleo: OPERATOR	Borehole MD: 13355
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 13200
API Well Number: 177244089600	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 9720 - 13355	Water Depth: 280
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, 11640=multiple scours and redeposited sediment dominate samples from this to 11730, with some chance that Discoaster sanmiguelensis is reworked or redeposited, 11730 consists of a middle bathyal upwelling fauna (pre-lowstand), foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9720 / 9713	DEF AT first sample examined	DEF IN 4
9750 / 9742	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF IN 4
9780 / 9771	DEF AT reworked material	DEF IN 4
9840 / 9829	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 4
9900 / 9886	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF IN 4
10350 / 10309	DEF AT - - - -	DEF AT 5
10680 / 10617	DEF AT local marker foram decrease	DEF AT 5
11310 / 11215	DEF IN Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 4
11640 / 11533	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 4
11730 / 11619	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
13280 / 13127	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 5
13355 / 13201	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 264	Date of Summary: 01-AUG-1999	First Sample Examined: 4560
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13500
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13484
API Well Number: 177244084200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4545 - 13500	Water Depth: 238
Public Info Code: Y 29-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4560 / 4560	DEF AT first sample examined	DEF AT 2
4561 / 4561	DEF IN Lower Pliocene (Zancian) Buccella (Eponides) hannai (acme)	DEF AT 2
4619 / 4619	DEF AT pyrite	DEF AT 2
4621 / 4621	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 2
4800 / 4800	DEF AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 2
4890 / 4890	DEF AT local marker foram increase	DEF AT 2
4920 / 4920	DEF AT pyrite	DEF AT 2
4980 / 4980	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 2
5040 / 5040	DEF AT pyrite	DEF AT 2
5130 / 5130	DEF AT - - - - -	POS AT 2
5190 / 5190	DEF AT Upper Miocene (Messinian) Textularia "X"	POS AT 2
5310 / 5310	DEF AT pyrite	POS AT 2
5519 / 5519	DEF AT sand	DEF AT 3
5520 / 5520	POS AT Miocene	DEF AT 3
5521 / 5521	DEF AT local marker foram increase	DEF AT 3
5580 / 5580	DEF AT local marker foram increase	DEF AT 3
5640 / 5640	DEF AT - - - - -	DEF IN 2
5700 / 5700	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 2
5940 / 5940	DEF AT pyrite	DEF IN 2
6000 / 6000	DEF AT - - - - -	POS AT 2
6180 / 6180	DEF AT - - - - -	POS IN 1
6300 / 6300	DEF AT pyrite	POS IN 1

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 264	Date of Summary: 01-AUG-1999	First Sample Examined: 4560
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13500
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13484
API Well Number: 177244084200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4545 - 13500	Water Depth: 238
Public Info Code: Y 29-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
6330 / 6330	DEF AT - - - - -	DEF IN 2
6360 / 6360	DEF AT Arenaceous fauna (local marker)	DEF IN 2
6480 / 6480	DEF AT - - - - -	DEF IN 3
6510 / 6510	DEF AT Arenaceous fauna (local marker)	DEF IN 3
6660 / 6660	DEF AT - - - - -	POS AT 3
7110 / 7110	DEF AT Arenaceous fauna (local marker)	DEF AT 4
7111 / 7111	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
7170 / 7170	DEF AT Eggerella sp. (local marker)	DEF AT 4
7230 / 7230	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
7260 / 7260	DEF AT pyrite	DEF AT 4
7320 / 7320	DEF AT - - - - -	POS AT 4
7350 / 7350	DEF AT pyrite	POS AT 4
7410 / 7410	DEF AT Eggerella sp. (local marker)	DEF AT 3
7470 / 7469	DEF AT pyrite	DEF AT 3
7590 / 7589	DEF AT pyrite	DEF IN 3
7680 / 7679	DEF AT Eggerella sp. (local marker)	DEF IN 3
7770 / 7769	DEF AT cement	POS IN 3
7860 / 7859	DEF AT Eggerella sp. (local marker)	DEF AT 3
8160 / 8159	DEF AT - - - - -	DEF IN 3
8220 / 8219	DEF AT limestone	DEF IN 3
8400 / 8398	DEF AT Eggerella sp. (local marker)	DEF IN 3
8490 / 8488	DEF AT pyrite	DEF IN 3
8520 / 8518	DEF AT - - - - -	DEF AT 4
8550 / 8548	DEF AT Eggerella sp. (local marker)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 264	Date of Summary: 01-AUG-1999	First Sample Examined: 4560
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13500
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13484
API Well Number: 177244084200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4545 - 13500	Water Depth: 238
Public Info Code: Y 29-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
8670 / 8668	DEF AT Arenaceous fauna (local marker)	DEF AT 4
8729 / 8727	DEF AT pyrite	DEF AT 5
8730 / 8728	DEF AT Arenaceous fauna (local marker)	DEF AT 5
8820 / 8818	DEF AT local marker planktic foram increase	DEF AT 4
8850 / 8848	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8851 / 8849	DEF AT Eggerella sp. (local marker)	DEF AT 4
8970 / 8968	DEF AT local marker planktic foram increase	DEF AT 4
8999 / 8997	DEF AT pyrite	DEF AT 4
9000 / 8998	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
9119 / 9117	DEF AT pyrite	DEF AT 4
9120 / 9118	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9180 / 9178	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
9300 / 9298	DEF AT pyrite	DEF AT 5
9450 / 9448	DEF AT Arenaceous fauna (local marker)	DEF AT 5
9570 / 9568	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9630 / 9628	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
9720 / 9718	DEF AT Arenaceous fauna (local marker)	DEF AT 5
9840 / 9838	DEF AT pyrite	DEF AT 5
9870 / 9868	DEF AT local marker foram increase	DEF AT 5
9960 / 9958	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10380 / 10378	DEF AT - - - - -	DEF AT 4
10500 / 10498	DEF AT - - - - -	DEF AT 5
10800 / 10798	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
10860 / 10858	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 264	Date of Summary: 01-AUG-1999	First Sample Examined: 4560
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13500
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13484
API Well Number: 177244084200	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 4545 - 13500	Water Depth: 238
Public Info Code: Y 29-OCT-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11010 / 11008	DEF AT cement	DEF AT 4
11070 / 11068	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11130 / 11128	DEF AT local marker planktic foram increase	DEF AT 4
11190 / 11188	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
11220 / 11218	DEF AT local marker planktic foram increase	DEF AT 5
11520 / 11517	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
11640 / 11637	POS AT ash	DEF AT 5
11790 / 11787	DEF AT - - - -	DEF AT 4
12840 / 12833	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
12870 / 12863	DEF AT local marker foram increase	DEF AT 5
12990 / 12982	DEF AT local marker foram increase	DEF AT 5
13020 / 13012	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
13050 / 13041	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
13260 / 13248	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13320 / 13307	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13380 / 13366	POS AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13470 / 13454	DEF AT local marker planktic foram increase	DEF AT 5
13500 / 13484	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 264	Date of Summary: 01-JAN-2000	First Sample Examined: 9000
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13903
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13201
API Well Number: 177244084800	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 9000 - 13890	Water Depth: 238
Public Info Code: Y 03-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9000 / 8983	DEF AT first sample examined	DEF IN 3
9001 / 8984	DEF AT pyrite	DEF IN 3
9120 / 9098	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF IN 3
9180 / 9155	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF IN 3
9240 / 9211	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9300 / 9266	DEF AT pyrite	DEF AT 4
9359 / 9321	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
9360 / 9322	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
9510 / 9458	DEF AT pyrite	DEF AT 4
9540 / 9485	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9720 / 9644	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9749 / 9670	DEF AT pyrite	DEF AT 4
9750 / 9671	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
9870 / 9773	DEF AT local marker foram increase	DEF AT 4
9899 / 9798	DEF AT pyrite	DEF IN 4
9900 / 9799	DEF AT Arenaceous fauna (local marker)	DEF AT 5
9960 / 9849	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
10020 / 9900	DEF AT local marker deep water fauna	DEF AT 5
10080 / 9950	POS AT local marker (general)	POS AT 5
10440 / 10253	DEF AT drilling material	POS AT 5
10680 / 10456	DEF AT - - - - -	POS IN 3
10980 / 10713	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	POS IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 264	Date of Summary: 01-JAN-2000	First Sample Examined: 9000
Lease Number: G14585	Source of Paleo: OPERATOR	Borehole MD: 13903
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13201
API Well Number: 177244084800	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 9000 - 13890	Water Depth: 238
Public Info Code: Y 03-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11100 / 10816	DEF AT reworked material	POS IN 3
11160 / 10867	DEF AT - - - - -	DEF AT 3
11220 / 10918	POS AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 3
11260 / 10953	DEF AT - - - - -	POS AT 4
11400 / 11073	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS AT 5
11430 / 11099	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	POS AT 5
11460 / 11125	DEF AT - - - - -	POS AT 4
12660 / 12154	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
13050 / 12482	DEF AT drilling material	DEF IN 3
13080 / 12507	DEF AT - - - - -	DEF AT 3
13290 / 12684	DEF AT - - - - -	POS AT 4
13410 / 12785	DEF AT local marker foram increase	DEF AT 5
13470 / 12836	DEF AT local marker planktic foram increase	DEF AT 5
13499 / 12860	DEF AT pyrite	DEF AT 5
13500 / 12861	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13620 / 12962	DEF AT local marker (general)	DEF AT 5
13710 / 13038	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
13799 / 13113	DEF AT pyrite	DEF AT 5
13800 / 13114	DEF AT foram flood	DEF AT 5
13801 / 13114	DEF AT Arenaceous fauna (local marker)	DEF AT 5
13860 / 13164	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13890 / 13189	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4694 / 4694	DEF AT first sample examined	DEF IN 2
4695 / 4695	DEF AT limestone	DEF IN 2
4910 / 4910	DEF AT - - - - -	DEF AT 1
5030 / 5030	DEF AT pyrite	DEF AT 1
5149 / 5149	POS AT unconformity	DEF AT 2
5150 / 5150	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
5180 / 5180	DEF AT pyrite	DEF AT 2
5209 / 5209	DEF AT pyrite	DEF AT 2
5210 / 5210	DEF AT Lower Pliocene (Zanclean) Globigerinoides mitra	DEF AT 2
5240 / 5240	DEF AT - - - - -	DEF IN 1
5300 / 5300	DEF AT pyrite	DEF IN 1
5420 / 5420	DEF AT - - - - -	DEF AT 1
5540 / 5540	DEF AT - - - - -	DEF IN 1
5660 / 5660	DEF AT - - - - -	DEF AT 2
5780 / 5780	DEF AT - - - - -	DEF IN 1
5960 / 5960	DEF AT pyrite	DEF IN 1
6050 / 6050	DEF AT Cyclammina sp. (local marker)	DEF IN 1
6110 / 6110	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF AT 2
6290 / 6290	DEF AT - - - - -	DEF IN 1
6650 / 6650	DEF AT cement	POS AT 1
6679 / 6679	POS AT unconformity	DEF IN 3
6680 / 6680	DEF AT Arenaceous fauna (local marker)	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
6681 / 6681	DEF AT Eggerella 3 (local marker)	DEF IN 3
6770 / 6770	DEF AT - - - - -	DEF AT 3
6830 / 6830	DEF AT - - - - -	DEF IN 2
6979 / 6979	DEF AT pyrite	DEF IN 2
6980 / 6980	DEF AT Arenaceous fauna (local marker)	DEF IN 2
7160 / 7160	DEF AT - - - - -	DEF AT 3
7189 / 7189	DEF AT pyrite	DEF AT 3
7190 / 7190	DEF AT Arenaceous fauna (local marker)	DEF AT 3
7250 / 7250	DEF AT Eggerella sp. (local marker)	DEF AT 3
7370 / 7370	DEF AT - - - - -	DEF AT 0
7489 / 7489	DEF AT pyrite	DEF IN 3
7490 / 7490	DEF AT Eggerella 3 (local marker)	DEF IN 3
7640 / 7640	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF IN 3
7760 / 7760	DEF AT - - - - -	DEF AT 3
8120 / 8120	DEF AT pyrite	DEF AT 3
8160 / 8160	DEF AT cement	DEF AT 3
8210 / 8210	DEF AT pyrite	DEF AT 3
8240 / 8240	DEF AT Eggerella sp. (local marker)	DEF AT 3
8420 / 8420	DEF AT limestone	DEF AT 3
8479 / 8478	DEF AT pyrite	POS AT 4
8480 / 8479	DEF AT local marker foram increase	POS AT 4
8510 / 8509	DEF AT Upper Miocene (Tortonian) Cyclammina 3	POS AT 4
8570 / 8569	DEF AT Cyclammina cancellata (local marker)	POS AT 4
8600 / 8599	DEF AT Eggerella sp. (local marker)	POS AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
8630 / 8629	DEF AT pyrite	POS AT 4
8660 / 8659	DEF AT - - - - -	DEF IN 3
8750 / 8749	DEF AT - - - - -	DEF AT 3
8809 / 8808	DEF AT pyrite	DEF AT 3
8810 / 8809	DEF AT local marker foram decrease	DEF AT 3
8840 / 8839	DEF AT Eggerella sp. (local marker)	DEF AT 3
8930 / 8929	DEF AT Eggerella sp. (local marker)	DEF IN 3
8990 / 8989	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF IN 3
9020 / 9019	DEF AT Eggerella sp. (local marker)	DEF IN 3
9170 / 9169	DEF AT local marker planktic foram increase	DEF IN 3
9230 / 9229	DEF AT pyrite	DEF AT 4
9259 / 9258	POS AT reworked material	DEF AT 4
9260 / 9259	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
9410 / 9408	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9440 / 9438	DEF AT pyrite	DEF AT 4
9470 / 9468	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9530 / 9528	DEF AT pyrite	DEF AT 4
9590 / 9588	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9830 / 9828	DEF AT - - - - -	DEF IN 3
9920 / 9918	DEF AT Eggerella sp. (local marker)	DEF AT 4
10010 / 10008	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10040 / 10038	DEF AT local marker foram increase	DEF IN 3
10070 / 10067	DEF AT - - - - -	DEF AT 4
10160 / 10157	DEF AT - - - - -	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-MAY-2000	First Sample Examined: 4694
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12046
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 12039
API Well Number: 177244085700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 4694 - 12044	Water Depth: 229
Public Info Code: Y 24-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10190 / 10187	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF IN 3
10249 / 10246	POS AT unconformity	DEF AT 5
10250 / 10247	DEF AT pyrite	DEF AT 5
10310 / 10307	DEF AT pyrite	DEF AT 5
10370 / 10367	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10430 / 10427	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
10520 / 10516	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10580 / 10576	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
10879 / 10875	DEF AT pyrite	DEF AT 4
10880 / 10876	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11420 / 11415	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
11510 / 11504	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
11540 / 11534	DEF AT local marker planktic foram increase	DEF AT 5
11569 / 11563	DEF AT pyrite	DEF AT 5
11570 / 11564	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11660 / 11654	DEF AT pyrite	DEF AT 5
11690 / 11684	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 5
11719 / 11713	DEF AT Eggerella sp. (local marker)	DEF AT 5
11720 / 11714	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
11750 / 11744	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11870 / 11864	DEF AT Eggerella sp. (local marker)	DEF AT 5
12043 / 12036	DEF AT - - - - -	DEF AT 5
12044 / 12037	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-JUN-2000	First Sample Examined: 7970
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11634
API Well Number: 177244085701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7970 - 12950	Water Depth: 229
Public Info Code: Y 20-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7970 / 7970	DEF AT first sample examined	DEF AT 3
7971 / 7971	DEF IN Upper Miocene (Tortonian) Reophax davepopei	DEF AT 3
8000 / 8000	DEF AT Eggerella sp. (local marker)	DEF AT 3
8120 / 8119	DEF AT pyrite	POS AT 3
8180 / 8179	DEF AT pyrite	DEF AT 3
8330 / 8327	DEF AT Eggerella sp. (local marker)	DEF AT 3
8390 / 8386	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8450 / 8444	DEF AT limestone	DEF AT 3
8570 / 8559	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
8600 / 8588	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8660 / 8644	DEF AT pyrite	DEF AT 4
8720 / 8700	DEF AT - - - - -	DEF IN 3
8840 / 8810	DEF AT - - - - -	DEF AT 3
8960 / 8917	DEF AT pyrite	DEF IN 3
9020 / 8969	DEF IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
9049 / 8993	DEF AT pyrite	DEF AT 4
9050 / 8994	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9200 / 9119	DEF AT local marker planktic foram increase	DEF AT 4
9260 / 9168	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9290 / 9191	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9320 / 9214	DEF AT Eggerella sp. (local marker)	DEF AT 4
9469 / 9326	POS AT reworked material	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-JUN-2000	First Sample Examined: 7970
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11634
API Well Number: 177244085701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7970 - 12950	Water Depth: 229
Public Info Code: Y 20-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
9470 / 9327	DEF AT pyrite	DEF AT 4
9500 / 9349	DEF AT - - - - -	DEF IN 3
9620 / 9433	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9710 / 9493	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9770 / 9531	DEF AT pyrite	DEF AT 4
9860 / 9586	DEF AT - - - - -	DEF IN 3
9950 / 9640	DEF AT pyrite	DEF IN 3
10039 / 9693	DEF AT pyrite	DEF IN 3
10040 / 9694	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
10099 / 9729	DEF AT pyrite	DEF IN 3
10100 / 9730	DEF AT Eggerella 3 (local marker)	DEF IN 3
10160 / 9766	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10190 / 9784	DEF AT Arenaceous fauna (local marker)	DEF IN 3
10310 / 9856	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10370 / 9893	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10430 / 9929	DEF AT pyrite	DEF AT 4
10490 / 9966	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10550 / 10002	DEF AT - - - - -	DEF IN 3
10669 / 10075	DEF AT pyrite	DEF IN 3
10670 / 10076	DEF AT Upper Miocene (Tortonian) Textularia "G"	DEF IN 3
10730 / 10112	DEF AT Cyclammina cancellata (local marker)	DEF IN 3
10760 / 10130	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10789 / 10148	DEF AT pyrite	DEF AT 5
10790 / 10148	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-JUN-2000	First Sample Examined: 7970
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11634
API Well Number: 177244085701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7970 - 12950	Water Depth: 229
Public Info Code: Y 20-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10820 / 10167	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
10940 / 10240	DEF AT Arenaceous fauna (local marker)	DEF AT 5
10970 / 10258	DEF AT local marker foram increase	DEF AT 5
11030 / 10295	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11150 / 10368	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11270 / 10441	DEF IN Upper Miocene (Tortonian) Textularia "G"	DEF AT 5
11330 / 10478	DEF AT local marker foram increase	DEF AT 5
11390 / 10515	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11480 / 10570	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11481 / 10571	DEF AT pyrite	DEF AT 5
11510 / 10588	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11570 / 10625	DEF AT Eggerella sp. (local marker)	DEF AT 5
11630 / 10662	DEF AT Arenaceous fauna (local marker)	DEF AT 5
11690 / 10699	DEF AT Eggerella sp. (local marker)	DEF AT 5
11720 / 10717	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11810 / 10772	DEF AT - - - - -	DEF AT 5
11839 / 10790	DEF AT pyrite	DEF AT 5
11840 / 10791	DEF AT local marker planktic foram increase	DEF AT 5
11930 / 10848	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11990 / 10887	POS IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
12080 / 10947	DEF AT pyrite	DEF AT 4
12140 / 10989	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12220 / 11047	DEF AT - - - - -	POS AT 5
12260 / 11078	DEF AT Cyclammina cancellata (local marker)	POS AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-JUN-2000	First Sample Examined: 7970
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 12930
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11634
API Well Number: 177244085701	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 7970 - 12950	Water Depth: 229
Public Info Code: Y 20-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12350 / 11150	DEF AT pyrite	POS AT 5
12440 / 11224	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12500 / 11273	DEF AT local marker foram increase	DEF AT 4
12860 / 11575	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12930 / 11634	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-JUL-2000	First Sample Examined: 8340
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 14521
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13764
API Well Number: 177244086100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8340 - 14521	Water Depth: 229
Public Info Code: Y 12-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8340 / 8142	DEF AT first sample examined	POS AT 3
8341 / 8143	DEF AT cement	POS AT 3
8400 / 8202	DEF AT - - - - -	DEF AT 3
8760 / 8562	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
8788 / 8590	DEF AT pyrite	DEF AT 3
8789 / 8591	POS AT unconformity	DEF AT 3
8790 / 8592	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
8791 / 8593	DEF AT Eggerella sp. (local marker)	DEF AT 3
8820 / 8622	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8850 / 8652	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
8970 / 8772	DEF AT - - - - -	DEF IN 3
9030 / 8832	DEF AT pyrite	DEF IN 3
9150 / 8952	DEF AT pyrite	DEF IN 3
9180 / 8982	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
9210 / 9012	DEF AT Eggerella sp. (local marker)	DEF AT 4
9270 / 9072	DEF AT pyrite	DEF AT 4
9360 / 9161	DEF AT Arenaceous fauna (local marker)	DEF AT 4
9420 / 9221	DEF AT Eggerella 3 (local marker)	DEF AT 4
9450 / 9251	DEF AT Eggerella sp. (local marker)	DEF AT 4
9540 / 9339	DEF AT - - - - -	DEF IN 3
9660 / 9457	DEF AT - - - - -	DEF AT 3
9809 / 9602	DEF AT limestone	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275
Lease Number: G15395
Well Name: A002
API Well Number: 177244086100
Paleo Report Num: 1 of 1
Public Info Code: Y 12-AUG-2010

Date of Summary: 01-JUL-2000
Source of Paleo: OPERATOR
Paleo Done By: APPLIED BIOSTRATIGRAPHIX
Drilling Operator: VASTAR RESOURCES INC.
Sample Range: 8340 - 14521
Ecozone Eq MMS: Y

First Sample Examined: 8340
Borehole MD: 14521
Borehole TVD: 13764
Rkb Elevation: 100
Water Depth: 229
Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
9810 / 9603	DEF AT local marker foram increase	DEF IN 3
9870 / 9661	DEF AT Eggerella sp. (local marker)	DEF IN 3
9930 / 9719	DEF AT pyrite	DEF IN 3
10020 / 9805	DEF AT local marker foram increase	DEF IN 3
10080 / 9862	DEF AT - - - - -	DEF AT 4
10110 / 9890	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
10230 / 10001	DEF AT - - - - -	DEF IN 3
10260 / 10028	DEF AT pyrite	DEF IN 3
10320 / 10083	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10349 / 10109	DEF AT pyrite	DEF AT 4
10350 / 10110	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10409 / 10163	DEF AT pyrite	DEF AT 4
10410 / 10164	DEF AT Arenaceous fauna (local marker)	DEF AT 4
10529 / 10268	DEF AT pyrite	DEF AT 5
10530 / 10269	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 5
10531 / 10269	DEF AT local marker planktic foram increase	DEF AT 5
10560 / 10294	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
10619 / 10345	DEF AT reworked material	DEF AT 5
10620 / 10346	DEF AT local marker planktic foram increase	DEF AT 5
10650 / 10371	DEF AT reworked material	DEF AT 5
10740 / 10448	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
10770 / 10473	POS IN Upper Miocene (Tortonian) Textularia "G"	DEF AT 4
10830 / 10523	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
10890 / 10571	DEF AT Eggerella sp. (local marker)	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-JUL-2000	First Sample Examined: 8340
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 14521
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13764
API Well Number: 177244086100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8340 - 14521	Water Depth: 229
Public Info Code: Y 12-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11160 / 10781	DEF AT drilling material	DEF AT 4
11220 / 10824	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11880 / 11290	DEF AT pyrite	DEF AT 4
11910 / 11313	DEF AT Eggerella sp. (local marker)	DEF AT 4
11970 / 11358	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
12060 / 11429	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12239 / 11578	DEF AT pyrite	DEF AT 5
12240 / 11578	DEF AT Arenaceous fauna (local marker)	DEF AT 5
12270 / 11604	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
12303 / 11632	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
12390 / 11705	DEF AT cement	DEF AT 4
12550 / 11844	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12578 / 11868	DEF AT pyrite	DEF AT 4
12579 / 11869	POS AT unconformity	DEF AT 4
12580 / 11870	DEF AT local marker foram increase	DEF AT 4
12610 / 11897	DEF AT local marker foram increase	DEF AT 4
12640 / 11924	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
12730 / 12004	DEF AT pyrite	DEF AT 5
12790 / 12059	DEF AT - - - - -	DEF AT 4
13419 / 12663	DEF AT Eggerella sp. (local marker)	DEF AT 5
13420 / 12664	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
13479 / 12722	DEF AT local marker planktic foram increase	DEF AT 5
13480 / 12723	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 5
13660 / 12903	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 275	Date of Summary: 01-JUL-2000	First Sample Examined: 8340
Lease Number: G15395	Source of Paleo: OPERATOR	Borehole MD: 14521
Well Name: A002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13764
API Well Number: 177244086100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 8340 - 14521	Water Depth: 229
Public Info Code: Y 12-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
13690 / 12933	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
14050 / 13293	DEF AT - - - - -	DEF IN 3
14500 / 13743	DEF AT pyrite	DEF IN 3
14521 / 13764	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 277	Date of Summary: 30-AUG-1999	First Sample Examined: 0
Lease Number: G14586	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9291
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7876
API Well Number: 177244084300	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 224
Public Info Code: Y 30-AUG-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8060 / 6888	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 277	Date of Summary: 27-SEP-1999	First Sample Examined: 0
Lease Number: G14586	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6898
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6417
API Well Number: 177244084301	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 224
Public Info Code: Y 18-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
1410 / 1410	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
2310 / 2278	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5100 / 4654	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
5760 / 5300	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 277	Date of Summary: 22-JAN-2001	First Sample Examined: 0
Lease Number: G14586	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12580
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 10741
API Well Number: 177244087100	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 67
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 223
Public Info Code: Y 15-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5461 / 5416	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
9525 / 8477	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
11310 / 9804	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 280	Date of Summary: 21-APR-1999	First Sample Examined: 5090
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 11754
Well Name: C001	Paleo Done By: PALEO SOURCE	Borehole TVD: 11195
API Well Number: 177244081100	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5090 - 11740	Water Depth: 300
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5090 / 5090	DEF AT first sample examined	POS AT 4
5420 / 5420	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
6460 / 6460	DEF AT Arenaceous fauna (local marker)	DEF AT 4
6760 / 6760	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
7210 / 7210	DEF AT unconformity	DEF AT 4
7330 / 7330	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8920 / 8919	DEF AT unconformity	DEF AT 5
9220 / 9213	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9850 / 9790	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
10239 / 10104	DEF AT reworked material	DEF AT 5
10240 / 10105	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10720 / 10462	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11740 / 11186	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4700 / 4700	DEF AT first sample examined	DEF AT
4760 / 4760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
5510 / 5497	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
7520 / 7162	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
8030 / 7557	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8060 / 7580	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9380 / 8613	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10250 / 9319	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10820 / 9758	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11000 / 9899	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11180 / 10041	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11750 / 10482	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
13070 / 11502	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
14810 / 12855	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15590 / 13453	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15651 / 13501	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4700 / 4700	DEF AT first sample examined	DEF AT 3
5510 / 5497	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
5630 / 5610	DEF AT - - - - -	DEF AT 4
5690 / 5666	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
7070 / 6812	DEF AT - - - - -	DEF AT 4
8240 / 7719	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
10249 / 9318	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
10250 / 9319	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 4
10280 / 9342	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 4
10820 / 9758	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 4
11240 / 10088	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11689 / 10434	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11690 / 10435	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
11780 / 10505	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11840 / 10552	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 5
11960 / 10647	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12050 / 10717	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
12200 / 10832	DEF AT Eggerella sp. (local marker)	DEF AT 4
12230 / 10855	DEF AT local marker foram decrease	DEF AT 4
12770 / 11269	DEF AT Eggerella sp. (local marker)	DEF AT 4
13100 / 11525	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14839 / 12877	DEF AT Cyclammina cancellata (local marker)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
14840 / 12878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15350 / 13265	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
15651 / 13501	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 281	Date of Summary: 20-AUG-1999	First Sample Examined: 0
Lease Number: G10910	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14759
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13387
API Well Number: 177244080600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 307
Public Info Code: Y 20-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9140 / 9097	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
9895 / 9709	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10790 / 10377	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11970 / 11269	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 281	Date of Summary: 21-DEC-1997	First Sample Examined: 0
Lease Number: G16515	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10715
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9099
API Well Number: 177244080200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 307
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6240 / 5885	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 283	Date of Summary: 09-FEB-1998	First Sample Examined: 0
Lease Number: G13662	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14350
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13221
API Well Number: 177244079902	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 295
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5940 / 5918	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
7590 / 7364	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9240 / 8806	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MP 299	Date of Summary: 31-JUL-2000	First Sample Examined: 4100
Lease Number: G01316	Source of Paleo: OPERATOR	Borehole MD: 6257
Well Name: DA009	Paleo Done By: OPERATOR	Borehole TVD: 5749
API Well Number: 177244085100	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 4100 - 6257	Water Depth: 215
Public Info Code: Y 26-FEB-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available

MD / TVD	Paleo Top Description	Ecozone
4100 / 3633	DEF AT first sample examined	DEF IN 3
4101 / 3634	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
4250 / 3771	DEF AT - - - - -	DEF AT 2
4430 / 3941	DEF AT - - - - -	DEF AT 3
4550 / 4057	DEF AT - - - - -	DEF IN 2
4730 / 4233	DEF AT - - - - -	DEF AT 3
4790 / 4292	DEF AT - - - - -	DEF IN 2
5150 / 4648	DEF AT - - - - -	DEF AT 2
5930 / 5427	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
5931 / 5428	DEF AT local marker floral increase	DEF AT 5
5990 / 5487	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
6020 / 5517	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
6080 / 5577	DEF AT - - - - -	DEF AT 6
6170 / 5667	DEF AT - - - - -	DEF IN 5
6257 / 5754	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MU 726	Date of Summary: 05-DEC-2000	First Sample Examined: 0
Lease Number: G20605	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5798
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 5309
API Well Number: 427024027701	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 84
Public Info Code: Y 16-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5465 / 5009	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MU 726	Date of Summary: 02-JAN-2001	First Sample Examined: 0
Lease Number: G20605	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 5629
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 5629
API Well Number: 427024027800	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 84
Public Info Code: Y 27-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3022 / 3022	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
5200 / 5199	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MU 787	Date of Summary: 06-SEP-2000	First Sample Examined: 0
Lease Number: G11221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9774
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 7950
API Well Number: 427024022501	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 151
Public Info Code: Y 26-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8070 / 7015	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
8300 / 7140	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: MU 858	Date of Summary: 30-JAN-1998	First Sample Examined: 0
Lease Number: G12421	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15000
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 427024026400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 01-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7878 / 7878	DEF AT Upper Oligocene (Chattian) Discorbis gravelli	DEF AT
9442 / 9442	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT
12268 / 12268	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: PI 526	Date of Summary: 08-MAR-2007	First Sample Examined: 6623
Lease Number: G25702	Source of Paleo: OPERATOR	Borehole MD: 26546
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26539
API Well Number: 608024000500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6623 - 26542	Water Depth: 3509
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Jack Hays Prospect, consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6623 / 6623	DEF AT first sample examined	DEF IN 5
6624 / 6624	POS IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
6680 / 6680	DEF AT - - - -	DEF AT 6
6799 / 6799	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
6800 / 6800	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
6830 / 6830	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 6
6889 / 6889	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 6
6890 / 6890	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 6
7070 / 7070	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 6
7100 / 7100	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 6
7130 / 7130	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 6
7220 / 7220	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 6
7250 / 7250	DEF AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT 6
7459 / 7459	DEF IN Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 6
7460 / 7460	POS IN Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 6
7490 / 7490	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
7610 / 7610	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 6
7730 / 7730	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF AT 6
7880 / 7880	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 6
7910 / 7910	DEF AT Lower Miocene (Aquitania) Globigerinoides primordius	DEF AT 6
8030 / 8030	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: PI 526	Date of Summary: 08-MAR-2007	First Sample Examined: 6623
Lease Number: G25702	Source of Paleo: OPERATOR	Borehole MD: 26546
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26539
API Well Number: 608024000500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6623 - 26542	Water Depth: 3509
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
8120 / 8120	POS AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 6
8150 / 8150	POS AT Lower Miocene (Aquitanian) Sphenolithus capricornutus	DEF AT 6
8180 / 8180	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
8390 / 8390	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 6
8780 / 8780	DEF AT - - - - -	DEF AT 4
9050 / 9050	DEF AT - - - - -	DEF AT 5
9200 / 9200	DEF AT local marker floral increase	DEF AT 5
9289 / 9289	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT 5
9290 / 9290	POS AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5
9740 / 9740	DEF AT Upper Oligocene (Chattian) Bolivina perca	DEF AT 5
10580 / 10580	DEF AT Upper Oligocene (Chattian) Marginulina idiomorpha	DEF AT 5
10640 / 10640	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
10880 / 10880	DEF AT - - - - -	DEF AT 6
10970 / 10970	DEF AT - - - - -	DEF IN 5
11059 / 11059	DEF AT local marker planktic foram increase	DEF IN 5
11060 / 11060	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF IN 5
12469 / 12468	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
12470 / 12469	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
12860 / 12859	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
15020 / 15018	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
17970 / 17966	DEF AT local marker floral increase	DEF IN 5
18120 / 18116	DEF AT local marker floral increase	DEF IN 5
18310 / 18306	DEF AT local marker floral increase	DEF IN 5
18360 / 18356	DEF AT local marker floral increase	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: PI 526	Date of Summary: 08-MAR-2007	First Sample Examined: 6623
Lease Number: G25702	Source of Paleo: OPERATOR	Borehole MD: 26546
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26539
API Well Number: 608024000500	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 6623 - 26542	Water Depth: 3509
Public Info Code: Y 03-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
18740 / 18736	DEF AT local marker floral increase	DEF IN 5
19160 / 19156	DEF AT local marker floral increase	DEF IN 5
20120 / 20115	DEF AT reworked material	DEF IN 5
20300 / 20295	DEF AT - - - - -	DEF AT 4
22160 / 22155	DEF AT - - - - -	DEF AT 5
22400 / 22395	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 4
23240 / 23235	DEF AT - - - - -	DEF AT 5
23360 / 23355	DEF AT - - - - -	DEF AT 4
23930 / 23925	DEF AT - - - - -	DEF AT 3
26542 / 26535	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: PL 17	Date of Summary: 02-JUL-1999	First Sample Examined: 0
Lease Number: G14533	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14523
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14523
API Well Number: 177134021600	Drilling Operator: HALL-HOUSTON OIL COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 03-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9130 / 9129	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12120 / 12116	DEF AT Cyclammina sp. (local marker)	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: PL 23	Date of Summary: 30-SEP-1997	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17175
Well Name: D003	Paleo Done By: OPERATOR	Borehole TVD: 16589
API Well Number: 177134020500	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 13-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13770 / 13455	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15310 / 14888	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: PL 23	Date of Summary: 25-NOV-1998	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18814
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 18510
API Well Number: 177134020900	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12690 / 12688	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
13590 / 13580	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
16950 / 16763	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: PN 892	Date of Summary: 09-MAR-2000	First Sample Examined: 0
Lease Number: G08963	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8831
Well Name: JA006	Paleo Done By: OPERATOR	Borehole TVD: 7500
API Well Number: 427134009400	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 128
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 189
Public Info Code: Y 29-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7650 / 6680	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SA 12	Date of Summary: 08-MAR-1999	First Sample Examined: 0
Lease Number: G14590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14131
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 13099
API Well Number: 177314007100	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7180 / 7084	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9870 / 9409	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10480 / 9925	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
12470 / 11654	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 23	Date of Summary: 18-JUN-1998	First Sample Examined: 4510
Lease Number: 00778	Source of Paleo: OPERATOR	Borehole MD: 20716
Well Name: J001	Paleo Done By: OPERATOR	Borehole TVD: 19202
API Well Number: 177074077300	Drilling Operator: PENNZOIL EXPLORATION AND PRODUCTION COMPAN	Rkb Elevation: 75
Paleo Report Num: 1 of 1	Sample Range: 4510 - 20433	Water Depth: 79
Public Info Code: Y 26-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4510 / 4509	DEF AT first sample examined	DEF AT 1
5020 / 5019	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 1
5230 / 5229	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 1
7690 / 7689	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 1
7810 / 7809	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 1
8200 / 8199	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 1
9730 / 9729	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 1
10420 / 10419	DEF AT - - - - -	DEF AT 2
10930 / 10929	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
11680 / 11679	DEF AT - - - - -	DEF AT 3
12790 / 12786	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
13330 / 13314	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
13720 / 13690	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
13900 / 13861	DEF AT - - - - -	DEF AT 4
16300 / 15779	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
18820 / 17716	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT 4
20380 / 18940	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
20433 / 18981	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 27	Date of Summary: 19-OCT-1999	First Sample Examined: 0
Lease Number: G01187	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12326
Well Name: A012	Paleo Done By: OPERATOR	Borehole TVD: 10839
API Well Number: 177074077800	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 93
Public Info Code: Y 04-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8490 / 7622	POS AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
10840 / 9575	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 35	Date of Summary: 28-JUN-2001	First Sample Examined: 0
Lease Number: G21614	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14630
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 14590
API Well Number: 177074081100	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 84
Public Info Code: Y 22-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14288 / 14249	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 39	Date of Summary: 25-MAR-1999	First Sample Examined: 0
Lease Number: G16320	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14920
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14850
API Well Number: 177074077000	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 14-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 / 11296	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12590 / 12578	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 39	Date of Summary: 16-JUL-1999	First Sample Examined: 0
Lease Number: G16320	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11220
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 10201
API Well Number: 177074077900	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 94
Public Info Code: Y 03-MAR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8974 / 8249	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 72	Date of Summary: 10-SEP-1999	First Sample Examined: 0
Lease Number: G01204	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9380
Well Name: C009	Paleo Done By: OPERATOR	Borehole TVD: 8033
API Well Number: 177084086201	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 07-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6310 / 5540	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7810 / 6758	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 72	Date of Summary: 07-JUL-1999	First Sample Examined: 0
Lease Number: G01204	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6409
Well Name: C010	Paleo Done By: OPERATOR	Borehole TVD: 6203
API Well Number: 177084086500	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 09-MAR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4090 / 4087	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5720 / 5604	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
5990 / 5840	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 72	Date of Summary: 14-MAY-1999	First Sample Examined: 0
Lease Number: G01204	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6504
Well Name: C011	Paleo Done By: OPERATOR	Borehole TVD: 6439
API Well Number: 177084086600	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 107
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 03-MAY-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5010 / 5004	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5700 / 5670	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
6230 / 6177	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 73	Date of Summary: 27-FEB-1998	First Sample Examined: 4228
Lease Number: G17935	Source of Paleo: OPERATOR	Borehole MD: 12467
Well Name: D002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11458
API Well Number: 177084084400	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 4228 - 12467	Water Depth: 137
Public Info Code: Y 22-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4228 / 4089	DEF AT first sample examined	DEF AT 2
4620 / 4436	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5040 / 4808	DEF AT sample gap top	POS AT 3
5670 / 5362	DEF AT sample gap bottom	DEF AT 3
5820 / 5495	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8040 / 7481	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9600 / 8872	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
11190 / 10271	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
12467 / 11458	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 166	Date of Summary: 02-APR-2001	First Sample Examined: 0
Lease Number: G21624	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11107
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6990
API Well Number: 177084088800	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 261
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1820 / 1647	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9010 / 5349	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 238	Date of Summary: 26-MAY-2000	First Sample Examined: 8600
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 12862
Well Name: 204	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11890
API Well Number: 177074079100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 8600 - 11675	Water Depth: 18
Public Info Code: Y 13-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
8600 / 8590	DEF AT first sample examined	DEF IN 2
8601 / 8591	DEF IN Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 2
8644 / 8632	DEF AT sand	DEF AT 2
8645 / 8633	DEF AT local marker foram increase	DEF AT 2
8690 / 8676	DEF AT - - - - -	DEF IN 1
8825 / 8801	DEF AT - - - - -	DEF AT 2
8870 / 8841	DEF AT - - - - -	DEF IN 2
9140 / 9069	DEF AT pyrite	DEF AT 2
9185 / 9104	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9275 / 9172	DEF AT - - - - -	DEF IN 2
9320 / 9205	DEF AT local marker foram increase	DEF IN 2
9455 / 9304	DEF AT sand	DEF AT 2
9590 / 9403	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 3
9635 / 9437	DEF AT limestone	DEF AT 3
9770 / 9538	DEF AT - - - - -	DEF IN 2
9815 / 9572	DEF AT - - - - -	DEF AT 2
9905 / 9640	DEF IN Upper Miocene (Tortonian) Cibicides inflata	DEF IN 2
9995 / 9708	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
10085 / 9773	DEF AT local marker planktic foram increase	DEF AT 3
10220 / 9866	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
10310 / 9929	DEF AT - - - - -	DEF IN 2
10355 / 9961	DEF AT local marker foram increase	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 238	Date of Summary: 26-MAY-2000	First Sample Examined: 8600
Lease Number: 00310	Source of Paleo: OPERATOR	Borehole MD: 12862
Well Name: 204	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11890
API Well Number: 177074079100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 8600 - 11675	Water Depth: 18
Public Info Code: Y 13-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
10400 / 9992	DEF AT sample gap top	POS IN 2
10625 / 10151	DEF AT sample gap bottom	DEF AT 2
10670 / 10183	DEF AT drilling material	DEF AT 2
10715 / 10215	DEF AT - - - - -	DEF IN 2
10850 / 10312	DEF AT drilling material	DEF AT 2
10940 / 10377	DEF AT - - - - -	DEF IN 2
10985 / 10410	DEF AT sample gap top	POS IN 2
11075 / 10476	DEF AT sample gap bottom	DEF AT 2
11120 / 10509	DEF AT sample gap top	DEF AT 2
11389 / 10704	DEF AT sample gap bottom	DEF IN 2
11390 / 10705	POS AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 2
11435 / 10737	DEF AT sample gap top	POS IN 2
11515 / 10795	DEF AT sample gap bottom	DEF IN 2
11635 / 10884	DEF AT siltstone	DEF AT 2
11675 / 10914	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 251	Date of Summary: 21-JUL-2009	First Sample Examined: 10980
Lease Number: G24880	Source of Paleo: OPERATOR	Borehole MD: 25488
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25431
API Well Number: 177074090101	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 10980 - 25488	Water Depth: 25
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10980 / 10978	DEF AT first sample examined	DEF AT 3
10981 / 10979	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11130 / 11128	DEF AT - - - -	DEF AT 4
11270 / 11268	POS AT maximum flooding surface	DEF AT 4
11280 / 11278	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
11969 / 11967	POS AT maximum flooding surface	DEF AT 4
11970 / 11968	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
13869 / 13867	POS AT maximum flooding surface	DEF AT 4
13870 / 13868	POS AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14350 / 14347	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
14500 / 14497	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
14799 / 14796	POS AT maximum flooding surface	DEF AT 5
14800 / 14797	DEF AT - - - -	DEF AT 5
14830 / 14827	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF IN 5
14860 / 14857	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
15220 / 15217	POS AT maximum flooding surface	DEF AT 6
15310 / 15307	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
15490 / 15487	DEF AT - - - -	DEF AT 4
15760 / 15757	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4
16090 / 16087	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
16150 / 16147	POS AT maximum flooding surface	DEF AT 4
16240 / 16237	DEF AT - - - -	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 251	Date of Summary: 21-JUL-2009	First Sample Examined: 10980
Lease Number: G24880	Source of Paleo: OPERATOR	Borehole MD: 25488
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 25431
API Well Number: 177074090101	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 10980 - 25488	Water Depth: 25
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16690 / 16687	DEF AT - - - - -	DEF AT 4
17200 / 17197	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
17840 / 17837	POS AT maximum flooding surface	DEF AT 4
17860 / 17857	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
18580 / 18576	POS AT maximum flooding surface	DEF AT 5
19050 / 19046	POS AT maximum flooding surface	DEF AT 5
19060 / 19056	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT 5
19180 / 19176	POS AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
19780 / 19776	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
19800 / 19796	POS AT unconformity	DEF AT 5
19930 / 19926	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
19940 / 19936	POS AT maximum flooding surface	DEF AT 5
21170 / 21165	POS AT maximum flooding surface	DEF AT 5
21880 / 21874	POS AT maximum flooding surface	DEF AT 5
21910 / 21904	DEF AT - - - - -	DEF AT 4
24820 / 24777	DEF AT - - - - -	DEF AT 5
25488 / 25425	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 253	Date of Summary: 22-OCT-2001	First Sample Examined: 0
Lease Number: G08690	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11800
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11800
API Well Number: 177074082200	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 23
Public Info Code: Y 10-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9999	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 260	Date of Summary: 16-JUL-2009	First Sample Examined: 9990
Lease Number: G31360	Source of Paleo: OPERATOR	Borehole MD: 16250
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16071
API Well Number: 177074090001	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 9990 - 15925	Water Depth: 24
Public Info Code: Y 06-JUN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9990 / 9986	DEF AT first sample examined	DEF AT 3
9991 / 9987	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10410 / 10406	POS AT maximum flooding surface	DEF AT 4
11340 / 11335	DEF AT - - - - -	DEF AT 3
11760 / 11752	POS AT maximum flooding surface	DEF AT 3
11880 / 11870	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
12090 / 12072	DEF AT - - - - -	DEF AT 4
12270 / 12244	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
12280 / 12253	POS AT maximum flooding surface	DEF AT 4
12600 / 12558	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
14200 / 14083	POS AT maximum flooding surface	DEF AT 4
14250 / 14131	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
14460 / 14331	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
14730 / 14588	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
14790 / 14645	DEF AT - - - - -	DEF AT 6
14849 / 14701	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
14850 / 14702	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
14900 / 14750	POS AT maximum flooding surface	DEF AT 6
15180 / 15017	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 6
15330 / 15162	DEF AT - - - - -	DEF IN 5
15925 / 15747	DEF AT last sample examined	DEF IN 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 269	Date of Summary: 25-SEP-2000	First Sample Examined: 0
Lease Number: G02311	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11192
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 10797
API Well Number: 177074080400	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 21-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10396 / 10115	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 280	Date of Summary: 13-FEB-2001	First Sample Examined: 0
Lease Number: G14456	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14820
Well Name: G002	Paleo Done By: OPERATOR	Borehole TVD: 13975
API Well Number: 177074080700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 06-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14263 / 13571	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 288	Date of Summary: 23-JUL-1998	First Sample Examined: 14600
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 16589
Well Name: CB005	Paleo Done By: OPERATOR	Borehole TVD: 15344
API Well Number: 177074074800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 146
Paleo Report Num: 1 of 1	Sample Range: 11000 - 16589	Water Depth: 60
Public Info Code: Y 05-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
14600 / 13620	DEF AT first sample examined	DEF AT 3
14750 / 13750	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
15140 / 14090	DEF AT - - - - -	DEF AT 2
15920 / 14759	DEF AT - - - - -	DEF AT 3
16130 / 14942	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
16190 / 14994	DEF IN Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 3
16589 / 15344	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SM 288	Date of Summary: 23-JUL-1998	First Sample Examined: 10900
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 17170
Well Name: CD001	Paleo Done By: OPERATOR	Borehole TVD: 16551
API Well Number: 177074074602	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10900 - 17170	Water Depth: 58
Public Info Code: Y 22-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
14770 / 14409	DEF AT first sample examined	DEF	AT	3
15340 / 14919	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	3
15370 / 14946	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF	AT	3
15490 / 15053	DEF AT - - - - -	DEF	AT	2
16570 / 16008	DEF AT - - - - -	DEF	AT	3
17170 / 16552	DEF AT last sample examined	DEF	AT	3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SP 57	Date of Summary: 23-JUL-1998	First Sample Examined: 5270
Lease Number: G02940	Source of Paleo: OPERATOR	Borehole MD: 9379
Well Name: B013	Paleo Done By: OPERATOR	Borehole TVD: 7968
API Well Number: 177214026502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 5270 - 9380	Water Depth: 190
Public Info Code: Y 06-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
5270 / 5193	DEF AT first sample examined	DEF AT
5271 / 5194	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7580 / 6743	DEF AT faunal change (no faunal increase)	DEF AT 2
8270 / 7154	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	POS AT 2
8300 / 7174	DEF AT faunal change (no faunal increase)	DEF AT 2
8480 / 7304	DEF AT faunal change (no faunal increase)	DEF AT 3
9230 / 7861	DEF AT faunal change (no faunal increase)	DEF AT 2
9380 /	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SP 87	Date of Summary: 25-JUN-1999	First Sample Examined: 0
Lease Number: G10894	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13600
Well Name: D010	Paleo Done By: OPERATOR	Borehole TVD: 11047
API Well Number: 177224022700	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 145
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 372
Public Info Code: Y 22-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8750 / 7247	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
11108 / 9089	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12232 / 9990	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 32	Date of Summary: 14-AUG-2000	First Sample Examined: 7300
Lease Number: 00335	Source of Paleo: OPERATOR	Borehole MD: 10203
Well Name: 024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10154
API Well Number: 177114131700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 2	Sample Range: 7300 - 9540	Water Depth: 17
Public Info Code: Y 28-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7299	DEF AT first sample examined	DEF AT
7350 / 7349	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8070 / 8069	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
9240 / 9235	POS AT reworked material	DEF AT
9540 / 9525	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 32	Date of Summary: 14-AUG-2000	First Sample Examined: 7300
Lease Number: 00335	Source of Paleo: OPERATOR	Borehole MD: 10203
Well Name: 024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10154
API Well Number: 177114131700	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 134
Paleo Report Num: 2 of 2	Sample Range: 7300 - 10200	Water Depth: 17
Public Info Code: Y 28-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7300 / 7299	DEF AT first sample examined	DEF AT 1
7920 / 7919	DEF AT - - - - -	DEF AT 2
8010 / 8009	DEF AT - - - - -	DEF AT 3
8490 / 8489	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
9000 / 8999	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
9210 / 9205	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 3
9780 / 9756	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
10200 / 10152	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 32	Date of Summary: 04-DEC-2000	First Sample Examined: 9390
Lease Number: 00335	Source of Paleo: OPERATOR	Borehole MD: 10304
Well Name: 024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9527
API Well Number: 177114131701	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 134
Paleo Report Num: 1 of 2	Sample Range: 9390 - 10304	Water Depth: 19
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9390 / 8740	DEF AT first sample examined	DEF AT
9630 / 8947	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10110 / 9358	DEF IN Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
10304 / 9527	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 32	Date of Summary: 04-DEC-2000	First Sample Examined: 7900
Lease Number: 00335	Source of Paleo: OPERATOR	Borehole MD: 10304
Well Name: 024	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9527
API Well Number: 177114131701	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 134
Paleo Report Num: 2 of 2	Sample Range: 7900 - 10304	Water Depth: 19
Public Info Code: Y 28-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7900 / 7469	DEF AT first sample examined	DEF AT 2
8610 / 8082	DEF AT - - - - -	DEF AT 3
8790 / 8233	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
9190 / 8569	DEF IN salt	POS AT 3
9540 / 8869	DEF AT base of salt	POS AT 3
9930 / 9204	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
10230 / 9462	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 3
10304 / 9527	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 37	Date of Summary: 30-AUG-2005	First Sample Examined: 10130
Lease Number: G26049	Source of Paleo: OPERATOR	Borehole MD: 11835
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 11834
API Well Number: 177114146100	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 10130 - 11780	Water Depth: 10
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
10130 / 10130	DEF AT first sample examined	DEF AT 1
10190 / 10190	DEF AT local marker benthic foram increase	POS AT 2
10400 / 10400	DEF AT - - - - -	DEF AT 2
10460 / 10460	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
10700 / 10700	DEF AT - - - - -	DEF IN 2
10790 / 10789	DEF AT - - - - -	POS AT 2
11000 / 10999	DEF AT - - - - -	DEF AT 2
11060 / 11059	DEF AT - - - - -	POS AT 2
11120 / 11119	DEF AT - - - - -	DEF AT 2
11180 / 11179	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	POS AT 2
11300 / 11299	DEF AT - - - - -	DEF IN 2
11330 / 11329	DEF AT - - - - -	DEF AT 2
11780 / 11779	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 37	Date of Summary: 30-AUG-2005	First Sample Examined: 11680
Lease Number: G26049	Source of Paleo: OPERATOR	Borehole MD: 14200
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 14167
API Well Number: 177114146101	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 11680 - 14200	Water Depth: 10
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
11680 / 11649	DEF AT first sample examined	DEF AT 2
11739 / 11708	DEF AT local marker planktic foram increase	DEF AT 2
11740 / 11709	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
11830 / 11798	DEF AT local marker benthic foram increase	DEF AT 2
12010 / 11978	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
12130 / 12098	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 2
12220 / 12188	DEF AT - - - - -	DEF AT 3
12310 / 12278	DEF AT - - - - -	DEF IN 2
12339 / 12307	DEF AT - - - - -	DEF AT 4
12370 / 12338	DEF AT - - - - -	DEF AT 2
13000 / 12968	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 2
13180 / 13148	DEF AT Arenaceous fauna (local marker)	DEF IN 3
13210 / 13178	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
13360 / 13328	DEF AT - - - - -	DEF AT 5
13420 / 13388	DEF AT - - - - -	POS AT 4
13450 / 13418	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
13540 / 13508	DEF AT Eggerella 3 (local marker)	DEF AT 5
13570 / 13538	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 5
13630 / 13598	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
13660 / 13628	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13960 / 13928	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 5
14110 / 14078	DEF AT local marker planktic foram increase	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 37	Date of Summary: 30-AUG-2005	First Sample Examined: 11680
Lease Number: G26049	Source of Paleo: OPERATOR	Borehole MD: 14200
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 14167
API Well Number: 177114146101	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 11680 - 14200	Water Depth: 10
Public Info Code: Y 30-APR-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14140 / 14108	DEF AT - - - - -	DEF AT 5
14170 / 14138	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 6
14200 / 14168	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 59	Date of Summary: 24-SEP-1998	First Sample Examined: 0
Lease Number: G11977	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12650
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12649
API Well Number: 177114126500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 17
Public Info Code: Y 09-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9753 / 9753	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10288 / 10288	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10828 / 10828	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11512 / 11512	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 59	Date of Summary: 09-JAN-2001	First Sample Examined: 9000
Lease Number: G11977	Source of Paleo: OPERATOR	Borehole MD: 13710
Well Name: 003	Paleo Done By: THOMAS REILLY	Borehole TVD: 13709
API Well Number: 177114133600	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 9000 - 13710	Water Depth: 20
Public Info Code: Y 14-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9000 / 8999	DEF AT first sample examined	DEF AT 1
9570 / 9569	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
9750 / 9749	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
9780 / 9779	DEF AT - - - - -	DEF AT 2
10500 / 10499	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
10890 / 10889	DEF AT - - - - -	POS AT 2
11000 / 10999	DEF AT - - - - -	DEF AT 2
11030 / 11029	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 2
11270 / 11269	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 2
11360 / 11359	DEF AT Upper Miocene (Tortonian) Amphistegina "E"	DEF AT 2
11570 / 11569	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
11780 / 11779	DEF AT - - - - -	DEF IN 2
11900 / 11899	DEF AT local marker foram increase	DEF AT 3
12050 / 12049	DEF AT - - - - -	DEF IN 2
12463 / 12462	DEF AT - - - - -	POS IN 2
12725 / 12724	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
12965 / 12964	DEF AT local marker foram increase	DEF AT 3
13025 / 13024	DEF AT - - - - -	POS AT 3
13165 / 13164	DEF AT - - - - -	DEF AT 3
13650 / 13649	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 68	Date of Summary: 13-MAR-1998	First Sample Examined: 5200
Lease Number: G02917	Source of Paleo: OPERATOR	Borehole MD: 10350
Well Name: 009	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 10349
API Well Number: 177114126000	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 5200 - 10350	Water Depth: 33
Public Info Code: Y 20-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5200 /	DEF AT first sample examined	DEF AT
6310 /	DEF AT Arenaceous fauna (local marker)	DEF AT
6370 /	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
7360 /	DEF AT local marker (general)	DEF AT
9040 /	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9490 /	DEF AT local marker foram increase	DEF AT
10350 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 76	Date of Summary: 27-FEB-2001	First Sample Examined: 0
Lease Number: G15276	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10450
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10450
API Well Number: 177114131900	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 24
Public Info Code: Y 21-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9900 / 9900	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 79	Date of Summary: 06-OCT-2000	First Sample Examined: 0
Lease Number: G15277	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11896
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10700
API Well Number: 177114132500	Drilling Operator: PETROQUEST ENERGY LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 22
Public Info Code: Y 13-OCT-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11080 / 9885	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
11720 / 10525	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 94	Date of Summary: 06-MAR-2003	First Sample Examined: 12000
Lease Number: G23891	Source of Paleo: OPERATOR	Borehole MD: 15508
Well Name: AA001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15504
API Well Number: 177114139000	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 12000 - 15508	Water Depth: 25
Public Info Code: Y 27-AUG-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
12000 / 11999	DEF AT first sample examined	DEF AT 2
12450 / 12448	DEF AT - - - - -	DEF AT 3
12620 / 12618	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
12990 / 12988	DEF AT - - - - -	DEF AT 4
13320 / 13318	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
14130 / 14127	DEF AT - - - - -	DEF AT 3
14520 / 14517	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
14910 / 14907	DEF IN Upper Miocene (Tortonian) Cyclammia 3	DEF AT 3
15508 / 15504	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 117	Date of Summary: 13-JUN-2008	First Sample Examined: 13634
Lease Number: G24925	Source of Paleo: OPERATOR	Borehole MD: 18812
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16464
API Well Number: 177114151900	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 13634 - 18532	Water Depth: 49
Public Info Code: Y 25-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13634 / 13425	DEF AT first sample examined	POS AT 4
13918 / 13619	DEF AT - - - - -	DEF AT 4
14105 / 13736	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14294 / 13846	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
15055 / 14285	DEF AT sample gap top	POS AT 4
17010 / 15415	DEF AT sample gap bottom	DEF AT 4
17110 / 15473	DEF AT sample gap top	POS AT 4
17585 / 15749	DEF AT sample gap bottom	DEF AT 4
17675 / 15801	POS IN Upper Miocene (Tortonian) Cyclammina 3	DEF AT 4
18339 / 16186	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
18340 / 16187	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
18532 / 16299	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 117	Date of Summary: 12-AUG-2008	First Sample Examined: 16331
Lease Number: G24925	Source of Paleo: OPERATOR	Borehole MD: 19394
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16655
API Well Number: 177114151901	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 16331 - 19394	Water Depth: 59
Public Info Code: Y 25-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16331 / 15031	DEF AT first sample examined	DEF AT 4
16332 / 15032	POS AT out-of-place section	DEF AT 4
16426 / 15091	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
19394 / 16655	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 126	Date of Summary: 08-JUN-2000	First Sample Examined: 0
Lease Number: G12940	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15930
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 15792
API Well Number: 177114122002	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 09-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14993 / 14977	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 139	Date of Summary: 17-NOV-2000	First Sample Examined: 0
Lease Number: G21115	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16660
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 177114131000	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 23-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13020 / 12695	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
14116 / 13418	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 139	Date of Summary: 09-NOV-2000	First Sample Examined: 0
Lease Number: G21115	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16720
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15032
API Well Number: 177114130400	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 23-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12669 / 12550	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
13990 / 13350	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 169	Date of Summary: 23-JUL-1998	First Sample Examined: 10900
Lease Number: 00820	Source of Paleo: OPERATOR	Borehole MD: 16000
Well Name: H012	Paleo Done By: OPERATOR	Borehole TVD: 15284
API Well Number: 177114125001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 10900 - 15970	Water Depth: 56
Public Info Code: Y 16-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
10900 / 10192	DEF AT first sample examined	DEF AT
10901 / 10193	DEF AT cement	DEF AT
10960 / 10250	DEF AT non-marine sediment	DEF AT 0
11020 / 10308	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
11079 / 10366	DEF IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11080 / 10367	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
12430 / 11714	DEF AT - - - -	DEF AT 4
13510 / 12794	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
13810 / 13094	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
14770 / 14054	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
15016 / 14300	DEF AT local marker deep water fauna	DEF AT 4
15970 / 15254	DEF AT last sample examined	DEF AT 4

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Paleo for Public Release (Date Specific)

Area Block: SS 279	Date of Summary: 30-JUL-2001	First Sample Examined: 0
Lease Number: G16395	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6300
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 6111
API Well Number: 177124062301	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 198
Public Info Code: Y 17-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5931 / 5773	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 283	Date of Summary: 22-JUL-1998	First Sample Examined: 3750
Lease Number: G15299	Source of Paleo: OPERATOR	Borehole MD: 14605
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14600
API Well Number: 177124058600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 3750 - 14605	Water Depth: 187
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3750 / 3748	DEF AT first sample examined	DEF IN 3
5250 / 5248	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
5790 / 5788	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5820 / 5818	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
6750 / 6748	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
6960 / 6958	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7050 / 7048	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
7260 / 7258	DEF AT local marker foram decrease	DEF AT 5
7500 / 7498	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
7830 / 7828	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8100 / 8098	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9000 / 8998	DEF AT sample gap top	POS AT 5
9990 / 9988	DEF AT sample gap bottom	DEF AT 5
12120 / 12118	POS AT Lower Pliocene (Zanclean) Siphotextularia jugosa / "J"	DEF AT 5
14605 / 14601	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 296	Date of Summary: 25-JUL-2000	First Sample Examined: 4560
Lease Number: G15303	Source of Paleo: OPERATOR	Borehole MD: 12846
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12187
API Well Number: 177124061200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4560 - 12846	Water Depth: 264
Public Info Code: Y 17-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4560 / 4559	DEF AT first sample examined	DEF AT 3
4770 / 4769	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
5400 / 5398	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
5760 / 5754	DEF AT pyrite	DEF AT 3
6930 / 6829	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
7290 / 7153	POS IN Lower Pleistocene (Calabrian) Hyalinea "B" = Trimosina "B"	DEF AT 4
7349 / 7206	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
7350 / 7207	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
8040 / 7830	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
8160 / 7938	DEF AT faunal change (no faunal increase)	DEF AT 3
9449 / 9087	DEF AT pyrite	DEF AT 4
9450 / 9088	POS IN Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
10710 / 10202	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11100 / 10549	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
11160 / 10603	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
11190 / 10630	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
11249 / 10684	DEF AT Bathysiphon fauna	DEF AT 5
11250 / 10685	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	DEF AT 5
11279 / 10712	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
11280 / 10713	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11340 / 10768	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 296	Date of Summary: 25-JUL-2000	First Sample Examined: 4560
Lease Number: G15303	Source of Paleo: OPERATOR	Borehole MD: 12846
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12187
API Well Number: 177124061200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4560 - 12846	Water Depth: 264
Public Info Code: Y 17-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11430 / 10851	DEF AT Bathysiphon fauna	DEF IN 5
11520 / 10934	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 5
11580 / 10990	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF IN 5
11639 / 11044	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
11640 / 11045	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 5
11670 / 11073	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 6
11700 / 11101	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
11729 / 11128	DEF AT Lower Pliocene (Zanclian) Sigmoilina "P" / cf. schlumbergeri	DEF AT 6
11730 / 11129	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 6
11759 / 11156	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF AT 6
11760 / 11157	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11940 / 11326	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
12179 / 11550	DEF AT Eggerella sp. (local marker)	DEF AT 6
12180 / 11551	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
12240 / 11608	DEF AT pyrite	DEF AT 6
12330 / 11693	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
12450 / 11807	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
12480 / 11836	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
12659 / 12007	DEF AT Bathysiphon fauna	DEF AT 6
12660 / 12008	DEF AT Cyclammina cancellata (local marker)	DEF AT 6
12840 / 12180	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF AT 6
12846 / 12186	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 296	Date of Summary: 25-JUL-2000	First Sample Examined: 4560
Lease Number: G15303	Source of Paleo: OPERATOR	Borehole MD: 12846
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12187
API Well Number: 177124061200	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 4560 - 12860	Water Depth: 264
Public Info Code: Y 17-AUG-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4560 / 4559	DEF AT first sample examined	DEF AT
4561 / 4560	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5250 / 5249	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5820 / 5813	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7290 / 7153	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
8070 / 7857	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
11070 / 10522	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11190 / 10630	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11310 / 10740	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT
11430 / 10851	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT
11760 / 11157	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12090 / 11467	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
12600 / 11951	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
12846 / 12186	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 296	Date of Summary: 28-AUG-2000	First Sample Examined: 4410
Lease Number: G15303	Source of Paleo: OPERATOR	Borehole MD: 10345
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10011
API Well Number: 177124061400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4410 - 10345	Water Depth: 264
Public Info Code: Y 17-SEP-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4410 / 4410	DEF AT first sample examined	DEF AT 3
4411 / 4411	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
8280 / 8148	DEF AT - - - - -	DEF AT 4
8310 / 8176	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
8340 / 8203	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
8610 / 8451	DEF AT - - - - -	DEF AT 3
10345 / 10011	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 296	Date of Summary: 28-AUG-2000	First Sample Examined: 4410
Lease Number: G15303	Source of Paleo: OPERATOR	Borehole MD: 10345
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10011
API Well Number: 177124061400	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 4410 - 10345	Water Depth: 264
Public Info Code: Y 17-SEP-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4410 / 4410	DEF AT first sample examined	DEF AT
4411 / 4411	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5190 / 5190	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5250 / 5250	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5820 / 5819	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
7110 / 7075	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8280 / 8148	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10345 / 10011	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 301	Date of Summary: 10-JUN-1998	First Sample Examined: 0
Lease Number: G10794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11417
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10197
API Well Number: 177124058400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 261
Public Info Code: Y 24-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10740 / 9550	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 317	Date of Summary: 01-JUL-2008	First Sample Examined: 6000
Lease Number: G24950	Source of Paleo: OPERATOR	Borehole MD: 10787
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10785
API Well Number: 177124066900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 6000 - 10787	Water Depth: 300
Public Info Code: Y 01-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6000 / 5999	DEF AT first sample examined	DEF AT 4
6359 / 6358	POS AT maximum flooding surface	DEF AT 4
6360 / 6359	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
6450 / 6449	DEF AT - - - - -	DEF AT 3
7800 / 7799	DEF AT - - - - -	DEF AT 4
7860 / 7859	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
8580 / 8579	POS AT maximum flooding surface	DEF AT 5
8820 / 8819	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
9150 / 9149	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 5
9780 / 9779	POS AT maximum flooding surface	DEF AT 5
9810 / 9809	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9960 / 9958	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
10378 / 10376	POS AT maximum flooding surface	DEF AT 5
10379 / 10377	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
10380 / 10378	POS AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
10678 / 10676	POS AT maximum flooding surface	DEF AT 5
10679 / 10677	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
10680 / 10678	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10710 / 10708	POS AT unconformity	DEF AT 5
10738 / 10736	POS AT maximum flooding surface	DEF AT 5
10739 / 10737	DEF AT Lower Pliocene (Zancian) Uvigerina rustica	DEF AT 5
10740 / 10738	POS AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: SS 317	Date of Summary: 01-JUL-2008	First Sample Examined: 6000
Lease Number: G24950	Source of Paleo: OPERATOR	Borehole MD: 10787
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10785
API Well Number: 177124066900	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 121
Paleo Report Num: 1 of 1	Sample Range: 6000 - 10787	Water Depth: 300
Public Info Code: Y 01-DEC-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10770 / 10768	POS AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 5
10787 / 10785	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 11	Date of Summary: 26-JUL-2001	First Sample Examined: 0
Lease Number: G13925	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12415
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12065
API Well Number: 177154094900	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 30
Public Info Code: Y 05-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8800 / 8799	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 11	Date of Summary: 07-SEP-2000	First Sample Examined: 0
Lease Number: G13925	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14449
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14443
API Well Number: 177154100601	Drilling Operator: BOIS D'ARC OPERATING CORPORATION	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 30
Public Info Code: Y 23-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14040 / 14035	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 10500
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 12571
Well Name: D033	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12084
API Well Number: 177154102800	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 10500 - 12570	Water Depth: 55
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pimento Prospect

MD / TVD	Paleo Top Description	Ecozone
10500 / 10013	DEF AT first sample examined	DEF AT
10560 / 10073	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF IN 1
10590 / 10103	DEF AT - - - - -	DEF AT 2
10650 / 10163	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
10770 / 10283	DEF AT - - - - -	DEF IN 1
10860 / 10372	POS AT local marker (general)	DEF IN 2
10920 / 10432	DEF AT - - - - -	DEF IN 1
11010 / 10522	DEF AT - - - - -	DEF AT 0
11040 / 10552	DEF AT - - - - -	DEF IN 1
11160 / 10672	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11310 / 10822	DEF AT - - - - -	DEF IN 1
11460 / 10972	POS AT local marker (general)	DEF AT 2
11640 / 11152	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
11790 / 11301	DEF AT - - - - -	DEF IN 2
11820 / 11331	POS AT local marker (general)	DEF IN 2
11910 / 11421	DEF AT local marker foram increase	DEF IN 2
11970 / 11481	DEF AT faunal change (no faunal increase)	DEF AT 3
12000 / 11511	DEF AT local marker (general)	DEF AT 3
12030 / 11541	DEF AT foram flood	DEF AT 3
12150 / 11661	DEF AT - - - - -	DEF IN 2
12210 / 11721	DEF AT Arenaceous fauna (local marker)	DEF IN 2
12270 / 11781	DEF AT - - - - -	DEF AT 0

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 10500
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 12571
Well Name: D033	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 12084
API Well Number: 177154102800	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 10500 - 12570	Water Depth: 55
Public Info Code: Y 14-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12300 / 11811	DEF AT - - - - -	DEF AT 2
12360 / 11871	DEF AT - - - - -	DEF IN 2
12450 / 11961	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 2
12480 / 11990	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF IN 2
12540 / 12050	DEF AT local marker foram increase	DEF IN 2
12570 / 12080	DEF AT last sample examined	DEF IN 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 10500
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 11800
Well Name: F027	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11521
API Well Number: 177154102700	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 10500 - 11880	Water Depth: 59
Public Info Code: Y 14-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pimento Prospect

MD / TVD	Paleo Top Description	Ecozone
10500 / 10223	DEF AT first sample examined	DEF AT 2
10530 / 10253	DEF AT - - - - -	DEF IN 2
10710 / 10432	DEF AT - - - - -	DEF AT 2
10830 / 10552	DEF AT - - - - -	DEF AT 0
10890 / 10612	DEF AT local marker (general)	DEF AT 2
10920 / 10642	DEF AT shell fragments	DEF IN 1
11100 / 10821	DEF AT sand	DEF AT 0
11130 / 10851	DEF AT - - - - -	DEF IN 1
11190 / 10911	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 1
11280 / 11001	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11370 / 11091	DEF AT - - - - -	DEF AT 0
11400 / 11121	DEF AT local marker foram increase	DEF AT 2
11610 / 11331	DEF AT Eggerella sp. (local marker)	DEF AT 2
11640 / 11361	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF IN 2
11760 / 11481	DEF AT - - - - -	DEF AT 2
11820 /	DEF AT Cyclammina sp. (local marker)	DEF IN 2
11850 /	DEF AT last sample examined	DEF IN 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 11190
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 13730
Well Name: F027	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13144
API Well Number: 177154102704	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 11190 - 13740	Water Depth: 59
Public Info Code: Y 23-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Pimento Prospect

MD / TVD	Paleo Top Description	Ecozone
11190 / 10604	DEF AT first sample examined	POS AT 1
11250 / 10664	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 1
11280 / 10694	DEF AT faunal change (no faunal increase)	DEF IN 1
11370 / 10784	DEF AT local marker (general)	DEF AT 2
11490 / 10904	POS AT local marker (general)	DEF IN 1
11640 / 11054	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 2
11700 / 11114	DEF AT faunal change (no faunal increase)	DEF IN 1
11730 / 11144	DEF AT Arenaceous fauna (local marker)	DEF AT 2
11940 / 11354	DEF AT faunal change (no faunal increase)	DEF IN 1
12360 / 11774	DEF AT faunal change (no faunal increase)	DEF AT 2
12390 / 11804	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
12480 / 11894	DEF AT faunal change (no faunal increase)	DEF IN 2
12600 / 12014	DEF AT faunal change (no faunal increase)	DEF AT 2
12660 / 12074	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12780 / 12194	DEF AT local marker foram increase	DEF AT 3
12840 / 12254	DEF AT faunal change (no faunal increase)	DEF IN 2
12990 / 12403	DEF AT local marker foram increase	DEF IN 2
13320 / 12733	DEF AT turbid water facies	POS IN 2
13380 / 12793	DEF AT transported inner shelf facies	POS AT 1
13470 / 12883	DEF AT faunal change (no faunal increase)	DEF AT 2
13500 / 12913	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF AT 2
13650 / 13062	DEF AT turbid water facies	POS AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 26	Date of Summary: 01-NOV-2000	First Sample Examined: 11190
Lease Number: G01870	Source of Paleo: OPERATOR	Borehole MD: 13730
Well Name: F027	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13144
API Well Number: 177154102704	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 11190 - 13740	Water Depth: 59
Public Info Code: Y 23-DEC-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13740 /	DEF AT last sample examined	POS AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 35	Date of Summary: 20-NOV-2000	First Sample Examined: 0
Lease Number: G03336	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14393
Well Name: D006	Paleo Done By: OPERATOR	Borehole TVD: 13662
API Well Number: 177154020002	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 27-MAR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11100 / 10804	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12500 / 12007	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
13300 / 12699	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 41	Date of Summary: 28-OCT-2005	First Sample Examined: 15870
Lease Number: G26084	Source of Paleo: OPERATOR	Borehole MD: 20320
Well Name: E001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18118
API Well Number: 177154118601	Drilling Operator: ENERGY PARTNERS LTD	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 15870 - 20290	Water Depth: 72
Public Info Code: Y 30-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
15870 / 15701	DEF AT first sample examined	DEF AT 2
16020 / 15813	DEF AT - - - - -	DEF IN 2
16050 / 15835	DEF AT - - - - -	DEF AT 2
16110 / 15878	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 2
16860 / 16357	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
16920 / 16389	DEF AT - - - - -	DEF AT 2
18120 / 16996	DEF AT - - - - -	DEF IN 2
18150 / 17012	DEF AT local marker foram increase	DEF IN 2
18240 / 17058	DEF AT - - - - -	DEF AT 2
19020 / 17461	DEF AT - - - - -	DEF IN 1
19720 / 17824	POS AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF IN 2
19870 / 17903	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
19990 / 17965	DEF AT - - - - -	DEF IN 2
20020 / 17980	DEF AT - - - - -	POS IN 2
20290 / 18106	DEF AT last sample examined	POS IN 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 70	Date of Summary: 04-OCT-2007	First Sample Examined: 9000
Lease Number: G24958	Source of Paleo: OPERATOR	Borehole MD: 24285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24275
API Well Number: 177154121900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 9000 - 24270	Water Depth: 60
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9000 / 8999	DEF AT first sample examined	DEF AT 2
9030 / 9029	POS IN Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 2
9990 / 9989	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
10290 / 10289	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 2
10560 / 10559	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 2
11670 / 11669	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12810 / 12808	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 3
13110 / 13108	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
13770 / 13767	DEF AT - - - - -	DEF AT 3
13920 / 13917	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
14580 / 14577	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
16890 / 16886	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
17190 / 17186	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
19200 / 19196	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
19890 / 19885	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
24270 / 24260	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 81	Date of Summary: 18-SEP-2007	First Sample Examined: 18270
Lease Number: G27155	Source of Paleo: OPERATOR	Borehole MD: 20035
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 20029
API Well Number: 177154122500	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 18270 - 20040	Water Depth: 61
Public Info Code: Y 29-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18270 / 18265	DEF AT first sample examined	DEF AT 3
18271 / 18266	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
18570 / 18565	DEF AT local marker benthic foram increase	DEF AT 3
18810 / 18805	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
19559 / 19554	DEF AT local marker planktic foram increase	DEF AT 3
19560 / 19555	DEF AT local marker benthic foram increase	DEF AT 3
20040 /	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 98	Date of Summary: 17-JUN-2005	First Sample Examined: 4550
Lease Number: G24962	Source of Paleo: OPERATOR	Borehole MD: 23080
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 23074
API Well Number: 177154117200	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4550 - 23080	Water Depth: 60
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4550 / 4549	DEF AT first sample examined	POS AT 2
4551 / 4550	DEF AT transported inner shelf facies	POS AT 2
4730 / 4729	DEF AT transported inner shelf facies	POS AT 3
4970 / 4969	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
5987 / 5986	POS AT unconformity	DEF AT 4
5988 / 5987	DEF AT reworked material	DEF AT 4
5989 / 5988	DEF IN Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
5990 / 5989	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
6140 / 6139	DEF AT local marker foram decrease	DEF AT 4
7039 / 7038	DEF AT transported inner shelf facies	DEF AT 4
7040 / 7039	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7698 / 7697	DEF AT transported inner shelf facies	DEF AT 4
7699 / 7698	POS AT maximum flooding surface	DEF AT 4
7700 / 7699	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
7760 / 7759	DEF AT local marker foram decrease	DEF AT 4
9509 / 9508	DEF AT transported inner shelf facies	DEF IN 4
9510 / 9509	DEF AT Eggerella sp. (local marker)	DEF IN 4
10020 / 10019	DEF AT unconformity	DEF IN 4
11010 / 11009	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 4
12810 / 12809	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
13950 / 13949	DEF AT Arenaceous fauna (local marker)	DEF AT 5
14910 / 14909	DEF AT unconformity	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 98	Date of Summary: 17-JUN-2005	First Sample Examined: 4550
Lease Number: G24962	Source of Paleo: OPERATOR	Borehole MD: 23080
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 23074
API Well Number: 177154117200	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4550 - 23080	Water Depth: 60
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15600 / 15599	DEF AT sample gap top	POS AT 5
15990 / 15989	DEF AT sample gap bottom	DEF AT 5
16260 / 16259	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF IN 5
16530 / 16529	DEF AT unconformity	DEF IN 5
16619 / 16618	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF IN 5
16620 / 16619	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 5
17340 / 17338	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 6
17490 / 17488	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
17900 / 17898	DEF AT cement	DEF AT 6
18480 / 18477	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
18510 / 18507	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
18690 / 18687	DEF AT local marker foram increase	DEF AT 6
19650 / 19646	DEF AT cement	DEF AT 6
20010 / 20006	POS AT local marker foram increase	DEF AT 6
20250 / 20246	DEF AT drilling material	DEF AT 6
21960 / 21956	DEF AT black shale	DEF AT 6
22379 / 22374	POS AT reworked material	DEF AT 6
22380 / 22375	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
22920 / 22914	POS AT local marker foram increase	DEF AT 6
23070 / 23063	POS AT local marker foram increase	DEF AT 6
23080 / 23073	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 143	Date of Summary: 01-OCT-1999	First Sample Examined: 5000
Lease Number: G06767	Source of Paleo: OPERATOR	Borehole MD: 16812
Well Name: E001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16711
API Well Number: 177154098300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 5000 - 16610	Water Depth: 75
Public Info Code: Y 17-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5000 / 5000	DEF AT first sample examined	DEF AT 2
5001 / 5001	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5060 / 5060	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 2
5210 / 5210	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
5390 / 5390	DEF AT brown shale	DEF AT 2
5510 / 5510	DEF AT pyrite	DEF AT 2
5570 / 5570	DEF AT local marker benthic foram increase	DEF AT 2
5750 / 5750	DEF AT faunal change (no faunal increase)	DEF IN 2
5900 / 5900	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF IN 2
6260 / 6260	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 2
6500 / 6500	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF AT 3
6560 / 6560	DEF AT local marker planktic foram increase	DEF AT 3
6650 / 6650	DEF AT pyrite	DEF AT 3
6710 / 6710	DEF AT faunal change (no faunal increase)	DEF IN 3
6860 / 6860	DEF AT pyrite	DEF AT 3
7190 / 7190	DEF AT local marker benthic foram increase	DEF AT 3
7250 / 7250	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
7280 / 7280	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7790 / 7790	DEF AT shell fragments	DEF IN 2
7910 / 7910	DEF AT faunal change (no faunal increase)	DEF AT 2
8090 / 8090	POS AT local marker foram increase	DEF AT 3
8570 / 8570	DEF AT shell fragments	POS AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 143	Date of Summary: 01-OCT-1999	First Sample Examined: 5000
Lease Number: G06767	Source of Paleo: OPERATOR	Borehole MD: 16812
Well Name: E001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16711
API Well Number: 177154098300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 5000 - 16610	Water Depth: 75
Public Info Code: Y 17-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
9140 / 9140	DEF AT faunal change (no faunal increase)	DEF IN 2
9260 / 9260	POS AT Arenaceous fauna (local marker)	DEF IN 2
9290 / 9290	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF IN 2
9350 / 9350	DEF AT faunal change (no faunal increase)	DEF AT 2
9710 / 9710	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 2
9770 / 9770	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF IN 2
9920 / 9920	DEF AT local marker benthic foram increase	DEF IN 2
9950 / 9950	DEF AT faunal change (no faunal increase)	POS AT 2
10040 / 10040	DEF AT shell fragments	POS AT 2
10250 / 10250	DEF AT faunal change (no faunal increase)	POS IN 2
10340 / 10340	DEF AT local marker benthic foram increase	POS IN 2
10490 / 10490	DEF AT local marker benthic foram increase	POS IN 2
10520 / 10520	DEF AT sample gap top	POS IN 2
10610 / 10610	DEF AT sample gap bottom	DEF IN 2
10700 / 10700	DEF AT Arenaceous fauna (local marker)	POS IN 2
11030 / 11029	DEF AT local marker benthic foram increase	POS AT 2
11120 / 11118	DEF AT Arenaceous fauna (local marker)	POS AT 2
11390 / 11384	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	POS AT 2
11780 / 11759	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 2
11870 / 11845	DEF AT sand	DEF IN 2
12080 / 12046	DEF AT local marker foram increase	DEF IN 2
12200 / 12161	DEF AT local marker benthic foram increase	DEF AT 3
12260 / 12218	DEF AT local marker benthic foram increase	DEF AT 3
12410 / 12361	DEF AT Arenaceous fauna (local marker)	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 143	Date of Summary: 01-OCT-1999	First Sample Examined: 5000
Lease Number: G06767	Source of Paleo: OPERATOR	Borehole MD: 16812
Well Name: E001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 16711
API Well Number: 177154098300	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 97
Paleo Report Num: 1 of 1	Sample Range: 5000 - 16610	Water Depth: 75
Public Info Code: Y 17-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12440 / 12390	POS AT local marker benthic foram increase	DEF IN 2
12740 / 12677	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12770 / 12706	DEF AT Arenaceous fauna (local marker)	DEF AT 4
12830 / 12763	DEF AT pyrite	DEF AT 4
12890 / 12822	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
12980 / 12909	DEF AT local marker planktic foram increase	DEF AT 4
13010 / 12939	DEF AT sand	DEF AT 4
13100 / 13027	DEF AT sample gap top	POS AT 4
13160 / 13085	DEF AT sample gap bottom	DEF IN 3
13340 / 13263	DEF AT faunal change (no faunal increase)	DEF AT 3
13370 / 13292	DEF AT Arenaceous fauna (local marker)	DEF AT 3
13400 / 13322	DEF AT local marker benthic foram increase	DEF AT 3
13970 / 13888	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
14570 / 14488	DEF AT local marker benthic foram increase	DEF AT 3
14870 / 14787	DEF AT faunal change (no faunal increase)	DEF IN 3
15050 / 14967	DEF AT faunal change (no faunal increase)	DEF AT 3
15380 / 15296	DEF AT local marker benthic foram increase	DEF AT 3
15530 / 15445	DEF AT sample gap top	POS AT 3
15800 / 15714	DEF AT sample gap bottom	DEF AT 2
16460 / 16366	POS AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 2
16610 / 16513	DEF AT last sample examined	DEF IN 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 143	Date of Summary: 31-AUG-2000	First Sample Examined: 0
Lease Number: G06767	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15925
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 15800
API Well Number: 177154098500	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 26-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15230 / 15106	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 155	Date of Summary: 14-JUL-2009	First Sample Examined: 11500
Lease Number: G26099	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19696
API Well Number: 177154123200	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 11500 - 19700	Water Depth: 187
Public Info Code: Y 12-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nanno species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11500 / 11497	DEF AT first sample examined	DEF AT 3
11919 / 11916	POS AT maximum flooding surface	DEF AT 3
11920 / 11917	POS AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 3
11980 / 11977	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 3
12700 / 12697	POS AT maximum flooding surface	DEF AT 4
12790 / 12787	DEF AT Upper Miocene (Messinian) Textularia tatumii	DEF AT 4
12850 / 12847	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
12999 / 12996	POS AT maximum flooding surface	DEF AT 4
13000 / 12997	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 4
13400 / 13397	POS AT maximum flooding surface	DEF AT 4
13630 / 13627	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
14020 / 14017	POS AT maximum flooding surface	DEF AT 5
14050 / 14047	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
14709 / 14706	POS AT maximum flooding surface	DEF AT 5
14710 / 14707	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
15130 / 15127	DEF AT - - - - -	DEF AT 6
15520 / 15516	POS AT maximum flooding surface	DEF AT 6
15580 / 15576	DEF AT - - - - -	DEF AT 5
16149 / 16145	DEF AT local marker floral increase	DEF AT 5
16150 / 16146	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
16180 / 16176	POS IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
16300 / 16296	POS AT maximum flooding surface	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 155	Date of Summary: 14-JUL-2009	First Sample Examined: 11500
Lease Number: G26099	Source of Paleo: OPERATOR	Borehole MD: 19700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19696
API Well Number: 177154123200	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 11500 - 19700	Water Depth: 187
Public Info Code: Y 12-JUN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16330 / 16326	DEF AT - - - - -	DEF AT 6
16569 / 16565	POS AT maximum flooding surface	DEF AT 6
16570 / 16566	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
16630 / 16626	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 6
17079 / 17075	POS AT maximum flooding surface	DEF AT 6
17080 / 17076	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
17830 / 17826	POS AT maximum flooding surface	DEF AT 6
18098 / 18094	POS AT maximum flooding surface	DEF AT 6
18099 / 18095	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
18100 / 18096	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
19270 / 19266	POS AT maximum flooding surface	DEF AT 6
19300 / 19296	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
19630 / 19626	POS AT maximum flooding surface	DEF AT 6
19700 / 19696	DEF AT first sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 196	Date of Summary: 22-JUN-2000	First Sample Examined: 0
Lease Number: G19829	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12096
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 11863
API Well Number: 177154096400	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 107
Public Info Code: Y 13-APR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7880 / 7879	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
9350 / 9345	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 203	Date of Summary: 12-JAN-2001	First Sample Examined: 0
Lease Number: G01269	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14000
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 13159
API Well Number: 177154102600	Drilling Operator: LOUISIANA LAND AND EXPLORATION COMPANY	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 145
Public Info Code: Y 16-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13654 / 12835	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204	Date of Summary: 09-MAY-2001	First Sample Examined: 0
Lease Number: G01572	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10960
Well Name: C001	Paleo Done By: OPERATOR	Borehole TVD: 8397
API Well Number: 177154103800	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 145
Public Info Code: Y 20-JAN-2011	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9830 / 7619	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 6300=local Sphaeroidinella dehiscens increase, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	POS AT 3
4620 / 4620	DEF AT sample gap top	POS AT 3
4740 / 4740	DEF AT sample gap bottom	POS AT 3
4830 / 4830	DEF AT reworked material	POS AT 3
5400 / 5400	DEF AT faunal change (no faunal increase)	DEF AT 3
5460 / 5460	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5790 / 5790	DEF AT faunal change (no faunal increase)	DEF IN 3
5820 / 5820	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 3
5880 / 5880	DEF AT local marker foram increase	DEF IN 3
5940 / 5940	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 3
6270 / 6270	DEF AT local marker planktic foram increase	DEF AT 4
6300 / 6300	DEF AT local marker planktic foram increase	DEF AT 4
6420 / 6420	DEF AT faunal change (no faunal increase)	DEF IN 3
6570 / 6570	DEF AT local marker foram increase	DEF IN 3
6810 / 6809	DEF AT faunal change (no faunal increase)	DEF AT 3
6960 / 6959	POS AT unconformity	DEF AT 4
7019 / 7018	DEF AT pyrite	DEF AT 4
7020 / 7019	DEF AT local marker planktic foram increase	DEF AT 4
7050 / 7049	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
7170 / 7169	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
7199 / 7198	POS AT unconformity	DEF AT 4
7200 / 7199	POS AT pyrite	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
7260 / 7259	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
7319 / 7318	DEF AT pyrite	DEF AT 4
7380 / 7379	DEF AT limestone	DEF AT 4
7530 / 7529	DEF AT faunal change (no faunal increase)	DEF IN 3
7679 / 7678	POS AT unconformity	POS AT 4
7680 / 7679	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 4
7740 / 7739	DEF AT pyrite	POS AT 4
8220 / 8219	DEF AT faunal change (no faunal increase)	POS AT 3
8340 / 8339	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 3
8400 / 8399	DEF AT faunal change (no faunal increase)	POS AT 4
8610 / 8609	DEF AT pyrite	POS AT 4
8790 / 8789	DEF AT faunal change (no faunal increase)	POS IN 3
9150 / 9149	DEF AT faunal change (no faunal increase)	POS AT 3
9480 / 9479	DEF AT faunal change (no faunal increase)	POS AT 4
9540 / 9539	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	POS AT 4
9960 / 9959	DEF AT faunal change (no faunal increase)	POS IN 3
10020 / 10019	DEF AT pyrite	POS IN 3
10200 / 10199	DEF AT sample gap top	POS IN 3
11199 / 11198	DEF AT sample gap bottom	DEF IN 3
11200 / 11199	DEF AT cement	DEF AT 3
11201 / 11200	DEF AT local marker foram increase	DEF AT 3
11230 / 11229	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 3
11259 / 11258	DEF AT pyrite	DEF AT 3
11260 / 11259	POS IN Lower Pliocene (Zancian) Buccella (Eponides) hannai (acme)	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11350 / 11349	DEF AT faunal change (no faunal increase)	DEF IN 2
11410 / 11409	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11440 / 11439	DEF AT Eggerella sp. (local marker)	DEF IN 2
11469 / 11468	DEF AT pyrite	DEF IN 2
11470 / 11469	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11500 / 11499	DEF AT local marker foram increase	DEF AT 3
11589 / 11588	DEF AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT 3
11590 / 11589	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF AT 3
12070 / 12069	DEF AT faunal change (no faunal increase)	DEF IN 2
12310 / 12309	DEF AT pyrite	DEF IN 2
12550 / 12549	DEF AT Eggerella sp. (local marker)	DEF IN 2
13420 / 13418	DEF AT Cyclammina sp. (local marker)	DEF IN 2
13600 / 13598	DEF AT local marker foram increase	DEF IN 2
13659 / 13657	DEF AT pyrite	DEF IN 2
13660 / 13658	DEF AT reworked material	DEF IN 2
14019 / 14017	DEF AT reworked material	POS AT 3
14020 / 14018	POS AT Lower Pliocene (Zancian) Buliminella 1	POS AT 3
14320 / 14318	DEF AT Arenaceous fauna (local marker)	POS AT 3
14350 / 14348	DEF AT local marker foram increase	POS AT 3
14351 / 14349	DEF AT Cyclammina cancellata (local marker)	POS AT 3
14470 / 14468	DEF AT Arenaceous fauna (local marker)	POS AT 3
14590 / 14587	DEF AT Lower Pliocene (Zancian) Sigmoidina "P" / cf. schlumbergeri	POS AT 3
14650 / 14647	DEF AT faunal change (no faunal increase)	DEF IN 3
14680 / 14677	DEF AT local marker foram increase	DEF IN 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204
Lease Number: G16432
Well Name: B001
API Well Number: 177154098100
Paleo Report Num: 1 of 2
Public Info Code: Y 19-OCT-2010

Date of Summary: 01-JAN-2001
Source of Paleo: OPERATOR
Paleo Done By: APPLIED BIOSTRATIGRAPHIX
Drilling Operator: EL PASO PRODUCTION GOM INC
Sample Range: 4500 - 18401
Ecozone Eq MMS: Y

First Sample Examined: 4500
Borehole MD: 18401
Borehole TVD: 18396
Rkb Elevation: 108
Water Depth: 153
Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14770 / 14767	DEF AT drilling material	DEF IN 3
14830 / 14827	DEF AT faunal change (no faunal increase)	DEF AT 3
15250 / 15246	DEF AT Arenaceous fauna (local marker)	DEF AT 3
15400 / 15396	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 3
15490 / 15486	DEF AT faunal change (no faunal increase)	POS IN 3
15550 / 15546	DEF AT local marker foram increase	POS IN 3
15610 / 15606	DEF AT faunal change (no faunal increase)	DEF AT 3
15880 / 15876	DEF AT Cyclammina cancellata (local marker)	POS AT 4
16000 / 15996	DEF AT local marker foram increase	POS AT 4
16120 / 16116	DEF AT faunal change (no faunal increase)	DEF IN 3
16143 / 16139	DEF AT cement	DEF AT
16210 / 16206	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
16270 / 16266	DEF AT local marker foram increase	DEF IN 3
16300 / 16296	DEF AT local marker planktic foram increase	DEF AT 4
16330 / 16326	DEF AT local marker foram increase	DEF AT 4
16480 / 16476	POS AT Cyclammina sp. (local marker)	DEF AT 4
16629 / 16625	DEF AT pyrite	DEF AT 4
16630 / 16626	DEF AT local marker foram increase	DEF AT 4
16900 / 16895	DEF AT faunal change (no faunal increase)	DEF IN 3
17050 / 17045	DEF AT reworked material	DEF IN 3
17320 / 17315	DEF AT faunal change (no faunal increase)	DEF AT 3
17500 / 17495	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
17679 / 17674	POS AT reworked material	DEF AT 3
17680 / 17675	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 1 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18401 / 18395	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 2 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 8430=Sphenolithus abies consistent, 8460=Dictyococcites productus increase, 9330=Reticulofenestra pseudoumbilica consistent, 9630=Reticulofenestra pseudoumbilica increase, 16390=Cryptococcolithus takayamae=indicator flora for Discoaster quinqueramus, 16420=Reticulofenestra gelida increase, an indicator flora for Discoaster quinqueramus, below 7682 feet, the nannofossil Preservation is poorer than was observed in the Pleistocene section, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4500 / 4500	DEF AT first sample examined	DEF AT
4501 / 4501	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa parallela	DEF AT
5430 / 5430	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
5759 / 5759	POS AT unconformity	DEF AT
5760 / 5760	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5790 / 5790	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
5910 / 5910	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
6420 / 6420	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
6450 / 6450	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6570 / 6570	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
6960 / 6959	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7050 / 7049	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyreii (increase)	DEF AT
7051 / 7050	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7350 / 7349	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
7620 / 7619	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
7680 / 7679	DEF AT Lower Pliocene (Zanclean) Discoaster variabilis	DEF AT
7681 / 7680	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
7682 / 7681	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7710 / 7709	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 204	Date of Summary: 01-JAN-2001	First Sample Examined: 4500
Lease Number: G16432	Source of Paleo: OPERATOR	Borehole MD: 18401
Well Name: B001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 18396
API Well Number: 177154098100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 108
Paleo Report Num: 2 of 2	Sample Range: 4500 - 18401	Water Depth: 153
Public Info Code: Y 19-OCT-2010	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
8430 / 8429	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
8460 / 8459	DEF AT local marker floral increase	DEF AT
9330 / 9329	DEF IN Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9630 / 9629	DEF AT local marker floral increase	DEF AT
10200 / 10199	DEF AT sample gap top	DEF AT
11199 / 11198	DEF AT sample gap bottom	DEF AT
11200 / 11199	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11201 / 11200	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
11500 / 11499	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14440 / 14438	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
14860 / 14857	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica "B"	DEF AT
16390 / 16386	POS AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
16420 / 16416	DEF AT local marker floral increase	DEF AT
16600 / 16596	DEF IN Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
17440 / 17435	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
17770 / 17764	POS AT local marker floral increase	DEF AT
18370 / 18364	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 205	Date of Summary: 18-JAN-2001	First Sample Examined: 0
Lease Number: G05612	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9978
Well Name: B005	Paleo Done By: OPERATOR	Borehole TVD: 7874
API Well Number: 177154103300	Drilling Operator: HESS CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 165
Public Info Code: Y 16-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8360 / 6723	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
8750 / 7002	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 212	Date of Summary: 18-AUG-1999	First Sample Examined: 0
Lease Number: G14538	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9056
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8376
API Well Number: 177164024500	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 28-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8342 / 7761	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 212	Date of Summary: 20-MAR-2000	First Sample Examined: 0
Lease Number: G14538	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9014
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 8200
API Well Number: 177164026400	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 16-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8540 / 7776	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 212	Date of Summary: 11-MAR-2003	First Sample Examined: 17927
Lease Number: G14538	Source of Paleo: OPERATOR	Borehole MD: 19730
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 19724
API Well Number: 177164030800	Drilling Operator: EL PASO PRODUCTION COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 17927 - 19730	Water Depth: 140
Public Info Code: Y 20-MAY-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17927 / 17923	DEF AT first sample examined	DEF AT 3
19130 / 19123	DEF AT - - - - -	DEF AT 4
19220 / 19213	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
19730 / 19722	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 217	Date of Summary: 16-APR-1998	First Sample Examined: 800
Lease Number: G13937	Source of Paleo: OPERATOR	Borehole MD: 8700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8700
API Well Number: 177164023600	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 800 - 8700	Water Depth: 144
Public Info Code: Y 28-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
800 / 800	DEF AT first sample examined	DEF AT 2
1730 / 1730	DEF AT faunal change (no faunal increase)	DEF AT 3
3830 / 3830	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4700 / 4700	DEF AT faunal change (no faunal increase)	DEF AT 4
5420 / 5420	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
5900 / 5900	DEF AT faunal change (no faunal increase)	DEF AT 5
6470 / 6470	DEF AT faunal change (no faunal increase)	DEF AT 4
6680 / 6680	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
7550 / 7550	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
7610 / 7610	DEF AT faunal change (no faunal increase)	DEF AT 5
7640 / 7640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7760 / 7760	DEF AT faunal change (no faunal increase)	DEF AT 4
8700 / 8700	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 217	Date of Summary: 16-APR-1998	First Sample Examined: 4010
Lease Number: G13937	Source of Paleo: OPERATOR	Borehole MD: 8700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8700
API Well Number: 177164023600	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 4010 - 8700	Water Depth: 144
Public Info Code: Y 28-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4010 / 4010	DEF AT first sample examined	DEF AT
4760 / 4760	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5000 / 5000	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5900 / 5900	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6410 / 6410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7070 / 7070	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7550 / 7550	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7610 / 7610	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8700 / 8700	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 264	Date of Summary: 12-OCT-1999	First Sample Examined: 0
Lease Number: G19832	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13870
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13030
API Well Number: 177164025400	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 214
Public Info Code: Y 20-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8190 / 8050	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: ST 274	Date of Summary: 23-MAY-2002	First Sample Examined: 9000
Lease Number: G19835	Source of Paleo: OPERATOR	Borehole MD: 14267
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13008
API Well Number: 177164029400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 9000 - 14267	Water Depth: 265
Public Info Code: Y 08-FEB-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9000 / 9000	DEF AT first sample examined	DEF AT 5
9420 / 9420	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9480 / 9480	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
9600 / 9599	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
10890 / 10840	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11880 / 11595	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
12570 / 11997	DEF AT - - - - -	DEF AT 4
14267 / 13009	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 69	Date of Summary: 13-JUL-2000	First Sample Examined: 0
Lease Number: G08765	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17050
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 15462
API Well Number: 608164035701	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 133
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 98
Public Info Code: Y 09-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14818 / 13803	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
15188 / 14119	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
15522 / 14385	DEF AT Lower Cretaceous Rodessa Formation	DEF AT
16138 / 14855	DEF AT Lower Cretaceous James Formation	DEF AT
16969 / 15414	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 251	Date of Summary: 29-AUG-2000	First Sample Examined: 0
Lease Number: G10930	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16150
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14938
API Well Number: 608164034501	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 124
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 121
Public Info Code: Y 22-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10394 / 9795	DEF AT Lower (Early) Cretaceous	DEF AT
13340 / 12370	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
14249 / 13203	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14730 / 13653	DEF AT Lower Cretaceous Ferry Lake Anhydrite	DEF AT
14988 / 13888	DEF AT Lower Cretaceous Rodessa Formation	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 384	Date of Summary: 10-MAR-2000	First Sample Examined: 0
Lease Number: G16541	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15250
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15247
API Well Number: 608164035400	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 128
Public Info Code: Y 22-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4975 / 4975	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8720 / 8720	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
9885 / 9884	DEF AT Lower (Early) Cretaceous	DEF AT
11260 / 11259	DEF IN Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
12150 / 12149	DEF IN Lower Cretaceous Albian Stage	DEF AT
12590 / 12589	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
13100 / 13099	DEF AT Lower Cretaceous Upper Glen Rose Formation	DEF AT
13650 / 13649	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14642 / 14640	DEF IN Lower Cretaceous Rodessa Formation	DEF AT
14850 / 14848	DEF AT Lower Cretaceous Punta Gorda Formation	DEF AT
15050 / 15047	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 385	Date of Summary: 28-SEP-1999	First Sample Examined: 0
Lease Number: G16542	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15500
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 15499
API Well Number: 608164034100	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 142
Public Info Code: Y 11-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand, 11150=Washita-Fredericksburg, 12035=Middle Albian, 14650=Lower Rodessa

MD / TVD	Paleo Top Description	Ecozone
6111 / 6111	DEF AT Upper Oligocene (Chattian) Heterostegina texana	DEF AT
8636 / 8635	DEF AT Upper Cretaceous Selma Chalk (or Group)	DEF AT
9840 / 9839	DEF AT Lower (Early) Cretaceous	DEF AT
11150 / 11149	DEF IN Upper-Lower Cretaceous Washita Group/Provincial Stage	DEF AT
12035 / 12034	DEF IN Lower Cretaceous Albian Stage	DEF AT
12500 / 12499	DEF AT Lower Cretaceous Paluxy Formation	DEF AT
12978 / 12977	DEF AT Lower Cretaceous Upper Glen Rose Formation	DEF AT
13590 / 13589	DEF AT Lower Cretaceous Mooringsport Formation	DEF AT
14650 / 14649	DEF IN Lower Cretaceous Rodessa Formation	DEF AT
14880 / 14879	DEF AT Lower Cretaceous Punta Gorda Formation	DEF AT
15450 / 15449	DEF AT Lower Cretaceous Sligo (Pettet) Formation	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 385	Date of Summary: 13-NOV-2001	First Sample Examined: 0
Lease Number: G16542	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16333
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 608164036000	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 137
Public Info Code: Y 07-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15992 / 14717	DEF IN Lower Cretaceous Rodessa Formation	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 734	Date of Summary: 01-OCT-1999	First Sample Examined: 0
Lease Number: G13672	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15730
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13922
API Well Number: 608164034200	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 108
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 320
Public Info Code: Y 13-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6824 / 6401	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10503 / 9410	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT
12185 / 10790	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12945 / 11427	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
14110 / 12409	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
15232 / 13443	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 738	Date of Summary: 24-JUL-2001	First Sample Examined: 0
Lease Number: G15431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12770
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11911
API Well Number: 608164036601	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 809
Public Info Code: Y 10-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11012 / 10364	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
12139 / 11354	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 786	Date of Summary: 11-FEB-1998	First Sample Examined: 7970
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: A005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10747
API Well Number: 608164030100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7970 - 12700	Water Depth: 1754
Public Info Code: Y 02-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7970 / 7081	DEF AT first sample examined	DEF AT 3
8030 / 7127	DEF AT - - - - -	DEF IN 3
8150 / 7220	DEF AT - - - - -	DEF AT 3
8210 / 7266	DEF AT - - - - -	DEF IN 3
8330 / 7359	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
8750 / 7686	DEF AT - - - - -	DEF AT 3
8870 / 7779	DEF AT - - - - -	DEF AT 3
8990 / 7871	DEF AT - - - - -	DEF IN 2
9150 / 7995	DEF AT - - - - -	POS AT 3
9580 / 8327	DEF AT - - - - -	POS IN 2
9700 / 8420	DEF AT - - - - -	DEF AT 2
9730 / 8444	DEF AT - - - - -	POS IN 2
9760 / 8467	DEF AT - - - - -	DEF AT 3
9820 / 8513	DEF AT - - - - -	POS IN 3
9849 / 8536	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	POS IN 3
9850 / 8537	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	POS IN 3
10000 / 8654	DEF AT - - - - -	POS AT 3
10390 / 8955	DEF IN Upper Miocene (Tortonian) Textularia "L"	POS AT 3
10660 / 9163	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
10750 / 9232	DEF AT Eggerella sp. (local marker)	DEF IN 3
10780 / 9255	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10930 / 9370	DEF AT local marker deep water fauna	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 786	Date of Summary: 11-FEB-1998	First Sample Examined: 7970
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: A005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10747
API Well Number: 608164030100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7970 - 12700	Water Depth: 1754
Public Info Code: Y 02-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11140 / 9531	DEF AT - - - - -	DEF AT 3
11440 / 9763	DEF AT - - - - -	POS IN 3
11650 / 9925	DEF AT - - - - -	POS AT 3
11800 / 10040	DEF AT - - - - -	DEF IN 2
11860 / 10087	DEF AT - - - - -	DEF AT 3
11890 / 10110	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
12010 / 10204	POS AT local marker foram increase	DEF AT 3
12070 / 10251	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 3
12130 / 10298	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
12220 / 10368	DEF AT local marker deep water fauna	DEF AT 4
12340 / 10463	DEF AT - - - - -	DEF IN 3
12460 / 10558	DEF AT local marker deep water fauna	DEF AT 4
12490 / 10581	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
12550 / 10629	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
12580 / 10652	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
12670 / 10724	DEF AT limestone	DEF IN 4
12700 / 10747	DEF AT last sample examined	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 786	Date of Summary: 11-FEB-1998	First Sample Examined: 7970
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: A005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10747
API Well Number: 608164030100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 7970 - 12700	Water Depth: 1754
Public Info Code: Y 02-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
7970 / 7081	DEF AT first sample examined	DEF AT
7971 / 7082	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8209 / 7265	DEF AT floral flood	DEF AT
8210 / 7266	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9639 / 8373	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9640 / 8374	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9700 / 8420	DEF AT floral flood	DEF AT
9939 / 8606	DEF AT floral flood	DEF AT
9940 / 8607	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10480 / 9024	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10720 / 9209	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10780 / 9255	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
10840 / 9301	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11799 / 10040	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11800 / 10040	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11920 / 10134	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12460 / 10558	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12520 / 10605	DEF AT Middle Miocene (Langhian) Helicosphaera ampliapertura	DEF AT
12580 / 10652	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
12640 / 10700	DEF AT floral flood	DEF AT
12700 / 10747	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 786	Date of Summary: 30-JAN-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
8010 / 6961	DEF AT first sample examined	DEF AT
8011 / 6962	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8130 / 7051	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8550 / 7364	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8850 / 7586	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10170 / 8556	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10230 / 8600	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10710 / 8957	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10890 / 9090	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11250 / 9358	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11490 / 9537	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
11730 / 9715	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
11790 / 9760	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11910 / 9849	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
12390 / 10207	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12450 / 10251	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12570 / 10341	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
12630 / 10385	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13552 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 786	Date of Summary: 05-MAR-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
8010 / 6961	DEF AT first sample examined	DEF AT 3
8011 / 6962	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
8220 / 7118	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8730 / 7497	DEF AT - - - - -	DEF AT 2
8850 / 7586	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
9030 / 7717	DEF AT - - - - -	DEF AT 2
9900 / 8357	DEF AT Arenaceous fauna (local marker)	DEF AT 2
10200 / 8578	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
10470 / 8779	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
10740 / 8979	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 3
10950 / 9134	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11130 / 9269	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11220 / 9336	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11490 / 9537	DEF AT - - - - -	DEF AT 4
11640 / 9648	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11850 / 9805	DEF AT - - - - -	DEF AT 3
12390 / 10207	DEF AT reworked material	DEF AT 3
12450 / 10251	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12540 / 10318	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12690 / 10429	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
12720 / 10452	DEF AT - - - - -	DEF AT 4
12780 / 10496	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 786	Date of Summary: 05-MAR-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12870 / 10562	DEF AT - - - - -	DEF AT 3
13140 / 10759	DEF AT - - - - -	DEF AT 4
13170 / 10781	DEF AT local marker foram increase	DEF AT 4
13469 / 10996	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
13470 / 10997	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
13552 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 823	Date of Summary: 30-MAY-2000	First Sample Examined: 7375
Lease Number: G16549	Source of Paleo: OPERATOR	Borehole MD: 16580
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13537
API Well Number: 608164035500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 148
Paleo Report Num: 1 of 2	Sample Range: 7375 - 16580	Water Depth: 1130
Public Info Code: Y 24-APR-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7375 / 6227	DEF AT first sample examined	DEF AT 6
7980 / 6660	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
8250 / 6852	DEF AT - - - - -	DEF AT 5
9630 / 7792	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
9840 / 7928	DEF AT - - - - -	DEF AT 4
10080 / 8085	DEF AT - - - - -	DEF AT 5
10380 / 8292	DEF AT - - - - -	DEF AT 4
11490 / 9061	DEF AT - - - - -	DEF AT 5
12360 / 9667	DEF AT - - - - -	DEF AT 4
14040 / 11047	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
14580 / 11555	DEF AT - - - - -	DEF AT 5
14820 / 11791	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
15720 / 12681	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
16580 / 13538	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 823	Date of Summary: 30-MAY-2000	First Sample Examined: 7375
Lease Number: G16549	Source of Paleo: OPERATOR	Borehole MD: 16580
Well Name: A004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13537
API Well Number: 608164035500	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 148
Paleo Report Num: 2 of 2	Sample Range: 7375 - 16580	Water Depth: 1130
Public Info Code: Y 24-APR-2010	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7375 / 6227	DEF AT first sample examined	DEF AT
7440 / 6273	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
8040 / 6703	POS AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
9660 / 7812	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
11370 / 8977	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13440 / 10506	DEF AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
14057 / 11062	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14430 / 11410	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
14850 / 11820	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
16050 / 13009	POS IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
16580 / 13538	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 825	Date of Summary: 25-AUG-1998	First Sample Examined: 0
Lease Number: G05778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9730
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9310
API Well Number: 608164033200	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1722
Public Info Code: Y 11-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9345 / 8973	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 825	Date of Summary: 05-NOV-1998	First Sample Examined: 0
Lease Number: G05778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9690
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 9298
API Well Number: 608164033201	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1722
Public Info Code: Y 16-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7630 / 7437	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8081 / 7848	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9320 / 8966	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 825	Date of Summary: 28-SEP-1999	First Sample Examined: 0
Lease Number: G05778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10952
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 8844
API Well Number: 608164034400	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1711
Public Info Code: Y 28-AUG-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9375 / 8699	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 826	Date of Summary: 03-FEB-1999	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8315
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 6119
API Well Number: 608164032400	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 15-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, in=sand

MD / TVD	Paleo Top Description	Ecozone
7650 / 5780	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
8026 / 5971	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 826	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11850
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 10808
API Well Number: 608164032501	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 25-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
5576 / 5155	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6681 / 6036	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
8098 / 7289	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8827 / 7969	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11612 / 10582	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 826	Date of Summary: 14-JAN-1999	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12814
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 11084
API Well Number: 608164032601	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
5548 / 5536	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6897 / 6633	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
8590 / 7685	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9866 / 8458	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
10460 / 8896	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12355 / 10659	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 872	Date of Summary: 13-JAN-1999	First Sample Examined: 0
Lease Number: G19907	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10952
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9985
API Well Number: 608164033600	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3480
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10515 / 9723	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 872	Date of Summary: 13-JAN-1999	First Sample Examined: 0
Lease Number: G19908	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12308
Well Name: SS001	Paleo Done By: OPERATOR	Borehole TVD: 9996
API Well Number: 608164033601	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 3463
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11611 / 9710	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 956	Date of Summary: 13-NOV-1999	First Sample Examined: 23970
Lease Number: G06893	Source of Paleo: OPERATOR	Borehole MD: 26228
Well Name: A013	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 13500
API Well Number: 608164025201	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 191
Paleo Report Num: 1 of 2	Sample Range: 23970 - 26228	Water Depth: 3214
Public Info Code: Y 28-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
23970 / 12753	DEF AT first sample examined	DEF IN 3
24000 / 12761	DEF IN Upper Miocene (Tortonian) Textularia 6	DEF IN 3
24030 / 12769	DEF IN Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 3
24180 / 12810	DEF IN Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF IN 3
24210 / 12818	POS IN Upper Miocene (Tortonian) Bolivina thalmanni	DEF IN 3
24240 / 12826	DEF AT faunal change (no faunal increase)	DEF AT 4
24330 / 12852	DEF AT faunal change (no faunal increase)	DEF AT 4
24390 / 12870	DEF AT faunal change (no faunal increase)	DEF AT 4
24450 / 12888	DEF AT faunal change (no faunal increase)	DEF AT 4
24570 / 12926	DEF AT turbid water facies	POS AT 4
24990 / 13071	DEF AT faunal change (no faunal increase)	DEF AT 4
25050 / 13093	DEF AT turbid water facies	DEF AT 4
25080 / 13104	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
25380 / 13209	POS AT reworked material	DEF AT 5
25381 / 13209	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
25650 / 13302	POS AT reworked material	DEF AT 5
25770 / 13342	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
25920 / 13394	DEF AT local marker foram increase	DEF AT 5
26070 / 13446	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 5
26228 / 13500	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 956	Date of Summary: 30-NOV-1999	First Sample Examined: 23970
Lease Number: G06893	Source of Paleo: OPERATOR	Borehole MD: 26228
Well Name: A013	Paleo Done By: BECK BIOSTRAT INC.	Borehole TVD: 13500
API Well Number: 608164025201	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 191
Paleo Report Num: 2 of 2	Sample Range: 23970 - 26220	Water Depth: 3214
Public Info Code: Y 28-NOV-2009	Ecozone Eq MMS: N	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23970 / 12753	DEF AT first sample examined	DEF AT
24090 / 12785	POS IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
24270 / 12835	POS AT Upper Miocene (Tortonian) Discoaster kugleri	DEF AT
24990 / 13071	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
26220 / 13498	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 1003	Date of Summary: 04-NOV-1999	First Sample Examined: 6760
Lease Number: G21160	Source of Paleo: OPERATOR	Borehole MD: 9848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9848
API Well Number: 608164035000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 6760 - 9730	Water Depth: 4942
Public Info Code: Y 22-NOV-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 9580 to 9670=mixed late to middle Miocene flora

MD / TVD	Paleo Top Description	Ecozone
6760 / 6760	DEF AT first sample examined	DEF AT
6790 / 6790	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
7360 / 7360	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
9010 / 9010	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
9280 / 9280	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9281 / 9281	POS AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
9580 / 9580	POS AT salt weld	DEF AT
9730 / 9730	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 1003	Date of Summary: 06-JAN-2000	First Sample Examined: 6760
Lease Number: G21160	Source of Paleo: OPERATOR	Borehole MD: 9848
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9848
API Well Number: 608164035000	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 6760 - 9730	Water Depth: 4942
Public Info Code: Y 22-NOV-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6760 / 6760	DEF AT first sample examined	DEF AT 6
6761 / 6761	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9370 / 9370	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
9730 / 9730	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VK 1003	Date of Summary: 06-JAN-2000	First Sample Examined: 9684
Lease Number: G21160	Source of Paleo: OPERATOR	Borehole MD: 13400
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13391
API Well Number: 608164035001	Drilling Operator: TOTAL E&P USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9684 - 13420	Water Depth: 4942
Public Info Code: Y 18-JAN-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9684 / 9676	DEF AT first sample examined	DEF AT 6
9730 / 9722	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 6
10390 / 10382	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 6
10840 / 10832	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
10870 / 10862	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 6
10960 / 10952	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 6
11860 / 11852	DEF AT reworked material	DEF AT 6
13270 / 13261	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 6
13420 /	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 27	Date of Summary: 13-APR-2004	First Sample Examined: 8000
Lease Number: G24820	Source of Paleo: OPERATOR	Borehole MD: 15670
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15409
API Well Number: 177054119400	Drilling Operator: XTO OFFSHORE INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15670	Water Depth: 13
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8000 / 8000	DEF AT first sample examined	DEF IN 3
8690 / 8690	POS AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF IN 3
8870 / 8870	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
8960 / 8960	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
9530 / 9530	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
9650 / 9650	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
10400 / 10400	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 3
11270 / 11263	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 3
12600 / 12527	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
13050 / 12955	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 3
15670 / 15409	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 56	Date of Summary: 12-APR-2000	First Sample Examined: 0
Lease Number: G17888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10375
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10375
API Well Number: 177054111200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 28
Public Info Code: Y 06-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
7708 / 7708	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8685 / 8685	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
9428 / 9428	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 65	Date of Summary: 20-AUG-1998	First Sample Examined: 0
Lease Number: G03327	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10200
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 10012
API Well Number: 177054037101	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 67
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 34
Public Info Code: Y 20-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
6280 / 6268	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF AT
6583 / 6552	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT
7110 / 7028	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7420 / 7305	DEF IN Upper Miocene (Tortonian) Amphistegina "E"	DEF AT
8350 / 8173	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT
8719 / 8536	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
9408 / 9221	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 84	Date of Summary: 09-DEC-1999	First Sample Examined: 0
Lease Number: G03124	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14100
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 14091
API Well Number: 177054110600	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 11
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 52
Public Info Code: Y 24-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10947 / 10946	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
13135 / 13130	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
13409 / 13403	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 84	Date of Summary: 03-JUL-2000	First Sample Examined: 0
Lease Number: G03124	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11800
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 11004
API Well Number: 177054111800	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 120
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 24-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11576 / 10806	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 114	Date of Summary: 19-JUL-2000	First Sample Examined: 0
Lease Number: G17895	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10900
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 9585
API Well Number: 177054109200	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 57
Public Info Code: Y 27-OCT-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6540 / 6539	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
7110 / 7109	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7890 / 7855	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
8550 / 8365	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 131	Date of Summary: 10-AUG-1999	First Sample Examined: 0
Lease Number: 00775	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11892
Well Name: D001	Paleo Done By: OPERATOR	Borehole TVD: 11850
API Well Number: 177054108300	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 15-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7390 / 7383	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
7600 / 7593	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT
10450 / 10410	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT
10540 / 10499	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
11050 / 11008	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11410 / 11368	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 131	Date of Summary: 09-JAN-2001	First Sample Examined: 0
Lease Number: 00775	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15170
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 15170
API Well Number: 177054109700	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 16-SEP-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6300 / 6299	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
9780 / 9771	DEF AT Upper Miocene (Tortonian) Textularia 6	DEF AT
11070 / 11061	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
11940 / 11931	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12830 / 12820	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14280 / 14267	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 156	Date of Summary: 21-SEP-2001	First Sample Examined: 0
Lease Number: G21597	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14040
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13813
API Well Number: 177054042202	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 20-APR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13470 / 13243	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 196	Date of Summary: 05-OCT-2000	First Sample Examined: 9990
Lease Number: G19760	Source of Paleo: OPERATOR	Borehole MD: 14798
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14796
API Well Number: 177054112300	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 9990 - 14820	Water Depth: 113
Public Info Code: Y 15-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9990 / 9990	DEF AT first sample examined	DEF AT 3
9991 / 9991	DEF IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
10350 / 10350	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 3
10530 / 10530	POS AT Cyclammina cancellata (local marker)	POS AT 4
10590 / 10590	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 4
10680 / 10680	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
12060 / 12059	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
12840 / 12839	POS AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 4
12930 / 12929	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13560 / 13559	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
14820 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 215	Date of Summary: 30-MAR-2000	First Sample Examined: 0
Lease Number: G01140	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13163
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 12468
API Well Number: 177052002001	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 29-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12660 / 12017	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 227	Date of Summary: 01-FEB-2005	First Sample Examined: 4540
Lease Number: G24847	Source of Paleo: OPERATOR	Borehole MD: 17455
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17435
API Well Number: 177054121600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 4540 - 17455	Water Depth: 125
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4540 / 4540	DEF AT first sample examined	DEF AT 2
5020 / 5020	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
6070 / 6070	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
7780 / 7780	DEF AT - - - - -	DEF AT 3
8020 / 8020	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9250 / 9250	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
9550 / 9550	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
10600 / 10599	DEF AT - - - - -	DEF AT 4
10630 / 10629	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
11200 / 11198	DEF AT - - - - -	DEF AT 3
11710 / 11708	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
12640 / 12637	DEF AT - - - - -	DEF AT 4
13210 / 13207	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13560 / 13557	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14290 / 14287	DEF AT - - - - -	DEF AT 5
14770 / 14767	DEF AT - - - - -	DEF AT 6
14860 / 14857	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
15970 / 15961	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 6
16030 / 16020	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
16330 / 16313	DEF AT sample gap top	POS AT 6
16420 / 16402	DEF AT sample gap bottom	DEF AT 6
17455 / 17435	DEF AT last sample examined	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 227	Date of Summary: 01-FEB-2005	First Sample Examined: 4540
Lease Number: G24847	Source of Paleo: OPERATOR	Borehole MD: 17455
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17435
API Well Number: 177054121600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 4540 - 17455	Water Depth: 125
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4540 / 4540	DEF AT first sample examined	DEF AT
5080 / 5080	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
5980 / 5980	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6190 / 6190	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6670 / 6670	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7960 / 7960	POS AT Lower Pliocene (Zancian) Sphenolithus abies	DEF AT
8170 / 8170	POS AT Lower Pliocene (Zancian) Reticulofenestra pseudoumbilica	DEF AT
9220 / 9220	POS AT Lower Pliocene (Zancian) Pseudosphenolithus abies "B" (acme)	DEF AT
10810 / 10808	POS AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
13210 / 13207	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
13240 / 13237	POS AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
14500 / 14497	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15220 / 15217	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15370 / 15367	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16029 / 16019	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16030 / 16020	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
16330 / 16313	DEF AT sample gap top	DEF AT
16420 / 16402	DEF AT sample gap bottom	DEF AT
16780 / 16760	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
17455 / 17435	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 252	Date of Summary: 27-OCT-1999	First Sample Examined: 0
Lease Number: G05431	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13949
Well Name: F001	Paleo Done By: OPERATOR	Borehole TVD: 13317
API Well Number: 177064054703	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 149
Public Info Code: Y 01-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10590 / 10578	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
11070 / 11010	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
11280 / 11181	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 253	Date of Summary: 26-AUG-1999	First Sample Examined: 1530
Lease Number: G17912	Source of Paleo: OPERATOR	Borehole MD: 15634
Well Name: H002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14380
API Well Number: 177064083800	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 94
Paleo Report Num: 1 of 2	Sample Range: 1530 - 15634	Water Depth: 155
Public Info Code: Y 10-SEP-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1530 / 1530	DEF AT first sample examined	DEF AT 2
2070 / 2068	DEF AT sample gap top	POS AT 2
2340 / 2335	DEF AT sample gap bottom	DEF AT 2
5550 / 5506	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
5910 / 5866	POS AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 3
6030 / 5986	DEF AT faunal change (no faunal increase)	DEF AT 2
7230 / 7165	POS AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
8580 / 8383	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 2
8670 / 8461	POS AT local marker deep water fauna	DEF AT 3
8730 / 8514	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
11400 / 10786	DEF AT Bathysiphon fauna	DEF AT 4
11430 / 10811	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12990 / 12118	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
13080 / 12193	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
13320 / 12396	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
13800 / 12803	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
14130 / 13086	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
14640 / 13522	DEF AT - - - -	DEF AT 4
15634 / 14380	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 253	Date of Summary: 26-AUG-1999	First Sample Examined: 1530
Lease Number: G17912	Source of Paleo: OPERATOR	Borehole MD: 15634
Well Name: H002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14380
API Well Number: 177064083800	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 94
Paleo Report Num: 2 of 2	Sample Range: 1530 - 15634	Water Depth: 155
Public Info Code: Y 10-SEP-2009	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1530 / 1530	DEF AT first sample examined	DEF AT
2070 / 2068	DEF AT sample gap top	DEF AT
2340 / 2335	DEF AT sample gap bottom	DEF AT
3060 / 3043	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
3780 / 3751	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5880 / 5836	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6990 / 6938	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7020 / 6967	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8730 / 8514	POS AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
10890 / 10354	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
13290 / 12371	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14130 / 13086	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
15634 / 14380	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 256	Date of Summary: 23-JUL-1999	First Sample Examined: 0
Lease Number: G01153	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10385
Well Name: D003	Paleo Done By: OPERATOR	Borehole TVD: 10026
API Well Number: 177064008101	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 160
Public Info Code: Y 05-JUL-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7821 / 7485	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
9670 / 9311	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 264	Date of Summary: 29-DEC-1999	First Sample Examined: 0
Lease Number: G15199	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12551
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 12551
API Well Number: 177064082600	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 169
Public Info Code: Y 13-MAR-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12384 / 12384	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 279	Date of Summary: 03-MAR-1998	First Sample Examined: 12153
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 13948
Well Name: A011	Paleo Done By: THOMAS REILLY	Borehole TVD: 12310
API Well Number: 177064080801	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 1 of 2	Sample Range: 12153 - 13938	Water Depth: 180
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
12153 / 10629	DEF AT first sample examined	DEF IN 2
12154 / 10630	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
12273 / 10722	DEF AT - - - - -	DEF IN 1
12620 / 11009	DEF AT Eggerella sp. (local marker)	DEF IN 1
12747 / 11126	DEF AT Arenaceous fauna (local marker)	DEF IN 1
13408 / 11771	DEF AT Cyclammina sp. (local marker)	DEF IN 1
13845 / 12207	DEF AT Eggerella sp. (local marker)	DEF IN 1
13908 / 12270	DEF AT last sample examined	DEF IN 1

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 279	Date of Summary: 03-MAR-1998	First Sample Examined: 12153
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 13948
Well Name: A011	Paleo Done By: THOMAS REILLY	Borehole TVD: 12310
API Well Number: 177064080801	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 2 of 2	Sample Range: 12153 - 13938	Water Depth: 180
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12153 / 10629	DEF AT first sample examined	DEF AT
13845 / 12207	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT
13938 / 12300	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 302	Date of Summary: 30-JUL-2004	First Sample Examined: 4280
Lease Number: G03138	Source of Paleo: OPERATOR	Borehole MD: 9981
Well Name: JA002	Paleo Done By: OPERATOR	Borehole TVD: 9292
API Well Number: 177064071101	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4280 - 9980	Water Depth: 196
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat

MD / TVD	Paleo Top Description	Ecozone
4280 / 4278	DEF AT first sample examined	DEF AT 2
4281 / 4279	DEF IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 2
4400 / 4398	DEF AT - - - - -	DEF AT 1
4440 / 4438	DEF AT - - - - -	DEF IN 1
4540 / 4538	DEF AT - - - - -	DEF IN 2
4580 / 4578	POS AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF IN 2
4680 / 4678	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF IN 2
5440 / 5438	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF IN 2
5480 / 5478	DEF AT - - - - -	DEF AT 3
5500 / 5498	DEF AT - - - - -	DEF IN 2
5520 / 5518	DEF AT - - - - -	DEF AT 2
6160 / 6158	DEF AT - - - - -	DEF AT 3
6180 / 6178	DEF AT - - - - -	DEF AT 2
6240 / 6238	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT 2
6580 / 6578	DEF AT local marker foram increase	DEF AT 2
6840 / 6836	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT 1
7000 / 6991	DEF AT - - - - -	DEF AT 2
7060 / 7048	DEF AT local marker foram increase	DEF AT 2
7160 / 7143	DEF AT - - - - -	DEF IN 3
7220 / 7199	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
7260 / 7236	DEF AT - - - - -	DEF IN 2
7320 / 7290	DEF AT - - - - -	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 302	Date of Summary: 30-JUL-2004	First Sample Examined: 4280
Lease Number: G03138	Source of Paleo: OPERATOR	Borehole MD: 9981
Well Name: JA002	Paleo Done By: OPERATOR	Borehole TVD: 9292
API Well Number: 177064071101	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 4280 - 9980	Water Depth: 196
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
7840 / 7720	DEF AT - - - - -	DEF AT 1
7980 / 7822	DEF AT - - - - -	DEF AT 2
8040 / 7865	DEF AT Cyclammina sp. (local marker)	DEF AT 3
8100 / 7909	DEF AT - - - - -	DEF IN 3
8200 / 7981	DEF AT - - - - -	DEF AT 3
8360 / 8095	DEF AT - - - - -	DEF IN 3
8480 / 8184	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
8520 / 8214	DEF AT local marker foram increase	DEF AT 4
8620 / 8287	DEF AT - - - - -	DEF IN 3
8800 / 8418	DEF AT - - - - -	DEF AT 3
9060 / 8610	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
9320 / 8803	DEF AT - - - - -	DEF AT 3
9460 / 8906	DEF AT - - - - -	DEF AT 4
9560 / 8980	DEF AT local marker foram increase	DEF AT 4
9780 / 9145	DEF AT - - - - -	DEF AT 3
9979 / 9291	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
9980 / 9292	DEF AT last sample examined	DEF IN 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 302	Date of Summary: 30-JUL-2004	First Sample Examined: 9460
Lease Number: G03138	Source of Paleo: OPERATOR	Borehole MD: 10589
Well Name: JA002	Paleo Done By: OPERATOR	Borehole TVD: 9697
API Well Number: 177064071102	Drilling Operator: NEXEN PETROLEUM USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 9460 - 10580	Water Depth: 196
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report done by Morin Biostratigraphic Services and Ragan Biostrat

MD / TVD	Paleo Top Description	Ecozone
9460 / 8906	DEF AT first sample examined	DEF AT 3
9500 / 8935	DEF AT - - - - -	DEF IN 3
9540 / 8963	DEF AT local marker foram increase	DEF IN 3
9580 / 8992	DEF AT - - - - -	DEF AT 3
9740 / 9108	DEF AT - - - - -	DEF AT 4
9760 / 9122	DEF AT - - - - -	DEF AT 3
9800 / 9151	DEF AT - - - - -	DEF IN 3
9820 / 9166	DEF AT - - - - -	DEF AT 3
10020 / 9309	DEF AT - - - - -	DEF IN 3
10180 / 9419	DEF AT - - - - -	DEF AT 3
10360 / 9542	DEF AT - - - - -	DEF AT 2
10500 / 9637	DEF AT - - - - -	DEF IN 2
10520 / 9651	DEF AT - - - - -	DEF AT 2
10580 / 9691	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 306	Date of Summary: 28-AUG-2000	First Sample Examined: 0
Lease Number: G21095	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8128
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8127
API Well Number: 177064084800	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 202
Public Info Code: Y 18-NOV-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7130 / 7129	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7632 / 7631	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8070 / 8069	DEF AT salt	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 309	Date of Summary: 18-JUN-1998	First Sample Examined: 6000
Lease Number: G16310	Source of Paleo: OPERATOR	Borehole MD: 9357
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9200
API Well Number: 177064081200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 66
Paleo Report Num: 1 of 1	Sample Range: 6000 - 9357	Water Depth: 206
Public Info Code: Y 18-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
6000 / 5999	DEF AT first sample examined	POS AT 3
6540 / 6539	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7260 / 7259	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
8220 / 8199	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
8310 / 8281	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
8640 / 8582	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9357 / 9201	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 326	Date of Summary: 14-FEB-2000	First Sample Examined: 0
Lease Number: G21096	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8523
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8522
API Well Number: 177064085000	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 215
Public Info Code: Y 24-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8102 / 8102	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 356	Date of Summary: 31-JAN-2000	First Sample Examined: 0
Lease Number: G17921	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6617
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 4092
API Well Number: 177064084500	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 262
Public Info Code: Y 22-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2316 / 2102	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5208 / 3435	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 356	Date of Summary: 05-APR-2000	First Sample Examined: 0
Lease Number: G17921	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9912
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6850
API Well Number: 177064085100	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 262
Public Info Code: Y 24-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
2964 / 2064	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6450 / 3994	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
9760 / 6710	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 379	Date of Summary: 17-MAY-1999	First Sample Examined: 7720
Lease Number: G13606	Source of Paleo: OPERATOR	Borehole MD: 8368
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 4595
API Well Number: 177064082800	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 131
Paleo Report Num: 1 of 1	Sample Range: 7720 - 8140	Water Depth: 327
Public Info Code: Y 30-MAY-2009	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
7720 / 4257	DEF AT first sample examined	DEF IN 2
7721 / 4257	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 2
7780 / 4286	DEF AT local marker foram increase	DEF IN 3
7810 / 4301	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
7900 / 4347	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 3
8140 / 4474	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: VR 408	Date of Summary: 08-MAR-2000	First Sample Examined: 0
Lease Number: G15212	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8000
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 8000
API Well Number: 177064084400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 89
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 388
Public Info Code: Y 24-JAN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1819 / 1819	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
6810 / 6809	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 28	Date of Summary: 16-FEB-2000	First Sample Examined: 0
Lease Number: G16104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11114
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11111
API Well Number: 177004104300	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 26
Public Info Code: Y 03-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7220 / 7220	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9550 / 9549	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10750 / 10748	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 28	Date of Summary: 12-JUL-2000	First Sample Examined: 0
Lease Number: G16104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14993
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 14976
API Well Number: 177004104801	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 26
Public Info Code: Y 11-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7500 / 7500	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
8050 / 8049	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
9700 / 9696	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
10700 / 10690	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
10950 / 10940	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT
13480 / 13470	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 28	Date of Summary: 07-MAY-2001	First Sample Examined: 0
Lease Number: G16104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11700
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 11697
API Well Number: 177004106100	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 28
Public Info Code: Y 03-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7420 / 7418	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9940 / 9937	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
11040 / 11037	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
11280 / 11277	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 34	Date of Summary: 11-MAR-1998	First Sample Examined: 0
Lease Number: G03251	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8866
Well Name: D010	Paleo Done By: OPERATOR	Borehole TVD: 8428
API Well Number: 177004098500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 05-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6805 / 6655	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7635 / 7376	DEF AT deepwater facies Harang	DEF AT
8527 / 8141	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 39	Date of Summary: 15-JAN-1999	First Sample Examined: 0
Lease Number: G13825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10976
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10538
API Well Number: 177004100401	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 11-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7350 / 7349	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9040 / 8961	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 39	Date of Summary: 18-JAN-2000	First Sample Examined: 0
Lease Number: G13825	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12034
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 10269
API Well Number: 177004102800	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 31
Public Info Code: Y 23-JUN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
7462 / 6477	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT
8100 / 6998	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
10500 / 8969	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 40	Date of Summary: 23-JUL-2004	First Sample Examined: 4456
Lease Number: G24704	Source of Paleo: OPERATOR	Borehole MD: 16507
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16500
API Well Number: 177004119600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 1 of 2	Sample Range: 4456 - 16507	Water Depth: 32
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4456 / 4456	DEF AT first sample examined	DEF AT 2
6120 / 6119	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
6900 / 6899	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
7050 / 7049	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
9210 / 9208	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF AT 2
11100 / 11097	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 3
14280 / 14275	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF AT 3
14490 / 14485	DEF AT faunal change (no faunal increase)	DEF AT 4
15000 / 14994	POS AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF AT 3
15660 / 15654	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF AT 3
16507 / 16500	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 40	Date of Summary: 16-AUG-2004	First Sample Examined: 11010
Lease Number: G24704	Source of Paleo: OPERATOR	Borehole MD: 16507
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16500
API Well Number: 177004119600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 11010 - 16507	Water Depth: 32
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11010 / 11007	DEF AT first sample examined	DEF AT
11220 / 11217	POS AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
11640 / 11637	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
14609 / 14604	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
14610 / 14605	POS AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
16507 / 16500	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 43	Date of Summary: 04-SEP-2001	First Sample Examined: 0
Lease Number: G16107	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12765
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12301
API Well Number: 177004110100	Drilling Operator: OSPREY PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 30
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9915 / 9803	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT
11400 / 11102	DEF AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 43	Date of Summary: 03-MAR-2005	First Sample Examined: 15400
Lease Number: G16107	Source of Paleo: OPERATOR	Borehole MD: 18800
Well Name: 003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18790
API Well Number: 177004120900	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 15400 - 18800	Water Depth: 31
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15400 / 15394	DEF AT first sample examined	DEF AT 4
16160 / 16153	POS IN Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
18800 / 18790	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 43	Date of Summary: 24-AUG-2005	First Sample Examined: 8010
Lease Number: G16107	Source of Paleo: OPERATOR	Borehole MD: 18500
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18484
API Well Number: 177004122700	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 8010 - 18500	Water Depth: 31
Public Info Code: Y 20-JUL-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
8010 / 8010	DEF AT first sample examined	DEF AT 1
8580 / 8580	DEF AT - - - - -	DEF AT 2
8700 / 8700	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 2
9390 / 9390	DEF AT local marker benthic foram increase	DEF AT 3
9690 / 9689	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF AT 3
10860 / 10859	POS AT Lower Miocene (Aquitanian) Planulina palmerae	DEF AT 3
11010 / 11009	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 3
11250 / 11249	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 3
12120 / 12119	DEF AT sample gap top	POS AT 3
12300 / 12299	DEF AT sample gap bottom	DEF AT 3
14910 / 14907	DEF AT Eggerella sp. (local marker)	DEF AT 4
15330 / 15327	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
15480 / 15477	DEF AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 4
15570 / 15567	DEF AT Arenaceous fauna (local marker)	DEF AT 3
15870 / 15867	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF AT 3
17670 / 17660	DEF AT poor sample interval top	DEF AT 3
18499 / 18484	DEF AT poor sample interval bottom	DEF AT 3
18500 / 18485	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 46	Date of Summary: 16-SEP-2002	First Sample Examined: 4000
Lease Number: G21533	Source of Paleo: OPERATOR	Borehole MD: 18700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18687
API Well Number: 177004113600	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 4000 - 18700	Water Depth: 32
Public Info Code: Y 18-NOV-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
4000 / 4000	DEF AT first sample examined	DEF AT 1
6040 / 6040	DEF AT - - - - -	DEF AT 2
8590 / 8590	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 2
9160 / 9160	DEF AT - - - - -	DEF AT 3
9430 / 9430	DEF AT Lower Miocene (Aquitanian) Siphonina davisi	DEF AT 3
9910 / 9910	DEF AT Lower Miocene (Aquitanian) Lenticulina hanseni	DEF AT 3
12370 / 12370	DEF AT sample gap top	POS AT 3
12730 / 12730	DEF AT sample gap bottom	DEF AT 3
13540 / 13540	POS AT Lower Miocene (Aquitanian) Lenticulina jeffersonensis	DEF AT 3
18270 / 18265	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF AT 3
18390 / 18383	DEF AT - - - - -	DEF AT 4
18700 / 18687	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 48	Date of Summary: 08-SEP-2000	First Sample Examined: 0
Lease Number: G01438	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15497
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 13572
API Well Number: 177004106300	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 25
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8900 / 8895	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 61	Date of Summary: 19-JAN-1999	First Sample Examined: 15010
Lease Number: G09386	Source of Paleo: OPERATOR	Borehole MD: 18818
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14770
API Well Number: 177004101400	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 123
Paleo Report Num: 1 of 2	Sample Range: 15010 - 20050	Water Depth: 36
Public Info Code: Y 03-JAN-2009	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15010 / 11959	DEF AT first sample examined	DEF AT
15790 / 12472	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
16810 / 13099	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
20051 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 61	Date of Summary: 20-JAN-1999	First Sample Examined: 14020
Lease Number: G09386	Source of Paleo: OPERATOR	Borehole MD: 18818
Well Name: B003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14770
API Well Number: 177004101400	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 123
Paleo Report Num: 2 of 2	Sample Range: 14020 - 20050	Water Depth: 36
Public Info Code: Y 03-JAN-2009	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
14020 / 11294	DEF AT first sample examined	DEF	AT	2
15580 / 12344	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF	AT	3
15760 / 12454	DEF AT - - - -	DEF	AT	4
15820 / 12489	DEF AT local marker benthic foram increase	DEF	AT	4
16000 / 12595	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF	AT	4
16300 / 12775	DEF AT - - - -	DEF	AT	3
20050 /	DEF AT last sample examined	DEF	AT	3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 61	Date of Summary: 09-FEB-1999	First Sample Examined: 0
Lease Number: G09386	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20050
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 15990
API Well Number: 177004101401	Drilling Operator: BHP BILLITON PETROLEUM (AMERICAS) INC	Rkb Elevation: 119
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 38
Public Info Code: Y 01-FEB-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
15580 / 12344	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
15790 / 12472	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT
15820 / 12490	DEF AT local marker (general)	DEF AT
16000 / 12596	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT
16810 / 13099	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17858 / 13895	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5350 / 5350	DEF AT first sample examined	DEF IN 1
5351 / 5351	DEF IN Upper (Late) Miocene	DEF IN 1
5439 / 5439	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF IN 1
5440 / 5440	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 1
5500 / 5500	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 1
5680 / 5680	DEF AT miliolid limestone	DEF AT 2
5740 / 5740	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 2
5769 / 5769	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
5770 / 5770	DEF AT Upper Miocene (Tortonian) Bigenerina 2	DEF AT 2
5860 / 5860	DEF AT - - - -	DEF IN 1
5890 / 5890	DEF AT local marker foram decrease	DEF IN 1
6010 / 6010	DEF AT local marker benthic foram increase	DEF AT 2
6040 / 6040	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
6370 / 6370	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 2
6460 / 6460	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6490 / 6490	DEF AT local marker foram decrease	DEF AT 2
6610 / 6610	DEF AT local marker benthic foram increase	DEF AT 2
6700 / 6700	DEF AT local marker foram decrease	DEF AT 2
6820 / 6820	DEF AT local marker planktic foram increase	DEF AT 2
6880 / 6880	DEF AT local marker foram decrease	DEF AT 2
6970 / 6970	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
7000 / 7000	DEF AT local marker foram decrease	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
7300 / 7300	DEF AT - - - - -	DEF IN 1
7960 / 7960	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
7990 / 7990	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 2
8050 / 8050	DEF AT miliolid limestone	DEF AT 2
8110 / 8110	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 2
8170 / 8170	DEF AT local marker benthic foram increase	DEF IN 2
8200 / 8200	DEF AT local marker foram decrease	DEF AT 2
8470 / 8470	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8500 / 8500	DEF AT local marker benthic foram increase	DEF AT 2
8530 / 8530	DEF AT local marker foram decrease	DEF AT 2
8560 / 8560	DEF AT local marker benthic foram increase	DEF AT 2
8770 / 8770	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8890 / 8890	DEF AT local marker foram decrease	DEF IN 1
9520 / 9520	DEF AT local marker benthic foram increase	DEF IN 1
9640 / 9639	DEF AT Lower Miocene (Burdigalian) Camerina 1	DEF IN 1
9850 / 9849	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 1
10210 / 10209	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10290 / 10289	DEF AT local marker foram decrease	DEF AT 2
10410 / 10409	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF IN 2
10500 / 10499	DEF AT - - - - -	DEF AT 2
10620 / 10619	DEF AT local marker foram increase	DEF IN 2
10710 / 10709	DEF AT local marker foram increase	DEF IN 2
10740 / 10739	DEF AT local marker foram decrease	DEF AT 2
10920 / 10919	DEF AT local marker benthic foram increase	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
11040 / 11039	DEF AT local marker benthic foram increase	DEF IN 2
11070 / 11069	DEF AT Arenaceous fauna (local marker)	DEF IN 2
11490 / 11489	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF IN 2
11520 / 11519	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 2
11700 / 11699	DEF AT faunal change (no faunal increase)	DEF IN 2
11850 / 11849	DEF AT local marker benthic foram increase	DEF IN 2
12120 / 12119	DEF AT local marker foram decrease	DEF AT 2
12570 / 12569	DEF AT - - - - -	DEF IN 1
12840 / 12839	DEF AT Arenaceous fauna (local marker)	DEF AT 2
12870 / 12869	DEF AT local marker foram decrease	DEF AT 2
13230 / 13229	POS AT reworked material	DEF AT 2
13350 / 13349	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 2
13380 / 13379	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF IN 2
13440 / 13439	DEF AT local marker benthic foram increase	DEF AT 3
13740 / 13739	DEF AT Eggerella sp. (local marker)	DEF AT 3
13830 / 13829	DEF AT local marker foram decrease	DEF AT 3
13860 / 13859	DEF AT local marker benthic foram increase	DEF AT 3
13920 / 13919	DEF AT Arenaceous fauna (local marker)	DEF IN 2
14010 / 14009	DEF AT local marker foram decrease	DEF IN 2
14460 / 14459	POS AT local marker benthic foram increase	DEF AT 2
14610 / 14609	DEF AT local marker benthic foram increase	DEF IN 2
14700 / 14699	DEF AT local marker foram decrease	DEF AT 2
15030 / 15029	DEF AT local marker benthic foram increase	DEF AT 2
15150 / 15149	DEF AT local marker foram decrease	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16020 / 16019	DEF AT Arenaceous fauna (local marker)	DEF IN 2
16260 / 16259	DEF AT local marker foram decrease	DEF IN 2
16410 / 16409	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
16470 / 16469	DEF AT - - - - -	DEF AT 2
16590 / 16589	DEF AT local marker planktic foram increase	DEF IN 2
16680 / 16679	DEF AT local marker foram decrease	DEF AT 2
17133 / 17131	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 66	Date of Summary: 30-JAN-1998	First Sample Examined: 0
Lease Number: G02819	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9411
Well Name: C005	Paleo Done By: OPERATOR	Borehole TVD: 8395
API Well Number: 177004098300	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 23-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7205 / 6503	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8013 / 7185	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
8906 / 7954	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 66	Date of Summary: 01-JUL-1999	First Sample Examined: 0
Lease Number: G02826	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10850
Well Name: A017	Paleo Done By: OPERATOR	Borehole TVD: 8410
API Well Number: 177004100600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 36
Public Info Code: Y 27-SEP-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
8552 / 6761	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
9540 / 7460	DEF IN Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
10596 / 8224	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 98	Date of Summary: 01-SEP-2005	First Sample Examined: 4963
Lease Number: G12757	Source of Paleo: OPERATOR	Borehole MD: 17560
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16517
API Well Number: 177004123100	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 4963 - 17560	Water Depth: 41
Public Info Code: Y 01-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
4963 / 4963	DEF AT first sample examined	DEF AT 0
5040 / 5040	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 0
5310 / 5309	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 0
6030 / 6002	DEF AT - - - - -	DEF AT 1
6390 / 6334	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 1
6540 / 6472	DEF AT - - - - -	DEF IN 2
7770 / 7594	DEF AT - - - - -	DEF AT 1
7830 / 7649	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
8130 / 7923	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8310 / 8088	DEF AT - - - - -	DEF AT 1
8490 / 8252	DEF AT - - - - -	DEF AT 2
8760 / 8497	DEF AT - - - - -	DEF AT 1
9720 / 9377	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10500 / 10119	DEF AT - - - - -	DEF AT 2
11550 / 11123	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 2
11640 / 11208	DEF AT local marker benthic foram increase	DEF AT 2
11910 / 11464	DEF AT - - - - -	DEF IN 2
12960 / 12460	DEF AT - - - - -	DEF AT 1
13080 / 12572	DEF AT - - - - -	DEF AT 2
13440 / 12901	DEF AT pyrite	DEF AT 2
14040 / 13409	DEF AT foram flood	DEF AT 3
15180 / 14376	DEF AT - - - - -	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 98	Date of Summary: 01-SEP-2005	First Sample Examined: 4963
Lease Number: G12757	Source of Paleo: OPERATOR	Borehole MD: 17560
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16517
API Well Number: 177004123100	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 4963 - 17560	Water Depth: 41
Public Info Code: Y 01-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15270 / 14455	DEF AT - - - - -	DEF IN 2
16020 / 15116	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF IN 2
17189 / 16155	DEF AT local marker planktic foram increase	DEF AT 3
17190 / 16156	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
17460 / 16419	DEF AT - - - - -	DEF AT 2
17560 / 16517	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 102	Date of Summary: 06-OCT-1999	First Sample Examined: 0
Lease Number: 00247	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13774
Well Name: H001	Paleo Done By: OPERATOR	Borehole TVD: 12566
API Well Number: 177004103400	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 24-AUG-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
7830 / 7264	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8770 / 8071	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
9615 / 8812	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
10420 / 9531	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
12100 / 11039	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 129	Date of Summary: 26-APR-2004	First Sample Examined: 7980
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 18103
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18100
API Well Number: 177004118500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 7980 - 18090	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7980 / 7980	DEF AT first sample examined	DEF AT 2
8040 / 8040	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
8280 / 8280	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
8430 / 8430	DEF AT - - - - -	DEF AT 3
8820 / 8820	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
8970 / 8970	DEF AT - - - - -	DEF AT 2
9810 / 9810	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
12240 / 12240	DEF AT - - - - -	DEF AT 3
12450 / 12449	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13920 / 13919	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13980 / 13979	DEF AT - - - - -	DEF AT 4
14550 / 14549	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
14579 / 14578	DEF AT pyrite	DEF AT 4
14580 / 14579	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
15450 / 15448	DEF AT local marker foram increase	DEF AT 4
15510 / 15508	DEF AT local marker foram decrease	DEF AT 4
16410 / 16407	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 4
16470 / 16467	DEF AT local marker benthic foram increase	DEF AT 4
16620 / 16617	DEF AT - - - - -	DEF AT 3
18090 / 18087	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 129	Date of Summary: 27-APR-2004	First Sample Examined: 7980
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 18103
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18100
API Well Number: 177004118500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 7980 - 18090	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7980 / 7980	DEF AT first sample examined	DEF AT
7981 / 7981	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8280 / 8280	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11700 / 11700	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
13860 / 13859	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
15360 / 15359	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18090 / 18087	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 129	Date of Summary: 26-APR-2004	First Sample Examined: 14010
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 17902
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17100
API Well Number: 177004118501	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 14010 - 17902	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 / 14009	DEF AT first sample examined	DEF AT 4
14011 / 14010	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
16470 / 16093	DEF AT faunal change (no faunal increase)	DEF AT 3
17902 / 17100	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 129	Date of Summary: 27-APR-2004	First Sample Examined: 14010
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 17902
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17100
API Well Number: 177004118501	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 14010 - 17902	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 / 14009	DEF AT first sample examined	DEF AT
15420 / 15326	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17902 / 17100	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 170	Date of Summary: 03-AUG-2000	First Sample Examined: 14640
Lease Number: G04085	Source of Paleo: OPERATOR	Borehole MD: 17125
Well Name: A006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16083
API Well Number: 177004104702	Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 14640 - 17125	Water Depth: 38
Public Info Code: Y 10-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14640 / 14185	DEF AT first sample examined	DEF AT 3
14641 / 14186	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
16200 / 15392	DEF AT sample gap top	DEF AT 3
16560 / 15660	DEF AT sample gap bottom	DEF AT 3
17125 / 16083	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 170	Date of Summary: 27-AUG-1998	First Sample Examined: 9500
Lease Number: G04085	Source of Paleo: OPERATOR	Borehole MD: 14549
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14271
API Well Number: 177004098000	Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 9500 - 14549	Water Depth: 34
Public Info Code: Y 26-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
9500 / 9499	DEF AT first sample examined	DEF AT 3
9501 / 9500	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
10200 / 10199	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
11844 / 11843	DEF AT sample gap top	POS AT 3
12000 / 11999	DEF AT sample gap bottom	DEF AT 3
12470 / 12467	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
12680 / 12672	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
12830 / 12816	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
14549 / 14276	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 170	Date of Summary: 27-AUG-1998	First Sample Examined: 13350
Lease Number: G04085	Source of Paleo: OPERATOR	Borehole MD: 15813
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15320
API Well Number: 177004098002	Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 13350 - 15810	Water Depth: 34
Public Info Code: Y 24-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13350 / 13291	DEF AT first sample examined	DEF AT 3
14585 / 14305	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
15810 / 15439	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 170	Date of Summary: 02-OCT-2000	First Sample Examined: 14390
Lease Number: G04085	Source of Paleo: OPERATOR	Borehole MD: 15880
Well Name: C001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15600
API Well Number: 177004106200	Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 14390 - 15850	Water Depth: 33
Public Info Code: Y 01-OCT-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14390 / 14368	DEF AT first sample examined	DEF AT 3
14391 / 14369	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
15400 / 15218	DEF AT sample gap top	POS AT 3
15670 / 15433	DEF AT sample gap bottom	DEF AT 3
15850 / 15576	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 172	Date of Summary: 24-FEB-1998	First Sample Examined: 0
Lease Number: G01998	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9050
Well Name: 016	Paleo Done By: OPERATOR	Borehole TVD: 7554
API Well Number: 177004098400	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 28-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 5983	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7330 / 6241	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8290 / 6969	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8705 / 7287	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 172	Date of Summary: 16-MAR-1999	First Sample Examined: 0
Lease Number: G01998	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10493
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 10471
API Well Number: 177004101600	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 05-FEB-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6030 / 6030	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
6280 / 6280	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
6895 / 6894	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7350 / 7345	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
8585 / 8565	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9500 / 9479	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 248	Date of Summary: 09-MAR-2000	First Sample Examined: 0
Lease Number: G09408	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6392
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 5840
API Well Number: 177004104500	Drilling Operator: J M HUBER CORPORATION	Rkb Elevation: 81
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 23-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6240 / 5737	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 248	Date of Summary: 18-APR-2001	First Sample Examined: 0
Lease Number: G09408	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11010
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 5954
API Well Number: 177004077502	Drilling Operator: J M HUBER CORPORATION	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 80
Public Info Code: Y 13-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10554 / 5743	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 248	Date of Summary: 12-MAY-2000	First Sample Examined: 0
Lease Number: G09408	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9161
Well Name: A011	Paleo Done By: OPERATOR	Borehole TVD: 6020
API Well Number: 177004105400	Drilling Operator: J M HUBER CORPORATION	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 80
Public Info Code: Y 02-MAY-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8735 / 5767	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 289	Date of Summary: 23-JUL-2008	First Sample Examined: 12900
Lease Number: G22539	Source of Paleo: OPERATOR	Borehole MD: 14250
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14249
API Well Number: 177014040500	Drilling Operator: HUNT OIL COMPANY	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 12900 - 14250	Water Depth: 46
Public Info Code: Y 23-NOV-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
12900 / 12899	DEF AT first sample examined	DEF	AT	3
12901 / 12900	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF	AT	3
13470 / 13469	POS AT sequence boundary	DEF	AT	3
13680 / 13679	POS AT maximum flooding surface	POS	AT	4
14250 / 14249	DEF AT last sample examined	POS	AT	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 300	Date of Summary: 17-MAR-2000	First Sample Examined: 0
Lease Number: G15078	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11520
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 10885
API Well Number: 177014031100	Drilling Operator: CHIEFTAIN INTERNATIONAL US INC	Rkb Elevation: 79
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 22-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8204 / 8199	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9625 / 9503	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
10822 / 10390	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 300	Date of Summary: 06-MAR-2000	First Sample Examined: 0
Lease Number: G15078	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9525
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 9028
API Well Number: 177014031000	Drilling Operator: CHIEFTAIN INTERNATIONAL US INC	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 08-FEB-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9061 / 8674	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 328	Date of Summary: 09-FEB-2004	First Sample Examined: 6420
Lease Number: G22542	Source of Paleo: OPERATOR	Borehole MD: 14900
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14452
API Well Number: 177014035500	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 6420 - 14910	Water Depth: 68
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6420 / 6420	DEF AT first sample examined	DEF AT 3
6480 / 6480	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
6570 / 6570	POS AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
6780 / 6780	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8250 / 8250	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 3
9180 / 9180	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
9300 / 9300	DEF AT faunal change (no faunal increase)	DEF AT 4
9630 / 9630	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
10530 / 10526	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10590 / 10584	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
11700 / 11618	POS AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11880 / 11779	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12000 / 11886	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
12569 / 12393	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12570 / 12394	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13740 / 13430	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
14310 / 13932	DEF AT faunal change (no faunal increase)	DEF AT 5
14730 / 14302	DEF AT faunal change (no faunal increase)	DEF AT 6
14910 /	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 328	Date of Summary: 09-FEB-2004	First Sample Examined: 11270
Lease Number: G22542	Source of Paleo: OPERATOR	Borehole MD: 13815
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12716
API Well Number: 177014035501	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 11270 - 13770	Water Depth: 68
Public Info Code: Y 25-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11270 / 11230	DEF AT first sample examined	DEF AT 4
11271 / 11231	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 4
11670 / 11579	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 4
11820 / 11699	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 4
12090 / 11896	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 4
12299 / 12031	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 4
12300 / 12031	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 4
13770 / 12700	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 366	Date of Summary: 16-APR-2009	First Sample Examined: 7000
Lease Number: G27025	Source of Paleo: OPERATOR	Borehole MD: 13677
Well Name: A003	Paleo Done By: PALEO SOURCE	Borehole TVD: 13033
API Well Number: 177014041100	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS INC	Rkb Elevation: 120
Paleo Report Num: 1 of 2	Sample Range: 7000 - 13677	Water Depth: 78
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity spreadsheet chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone		
7000 / 6980	DEF AT first sample examined	POS	IN	2
7001 / 6981	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	POS	IN	2
7720 / 7639	DEF AT local marker foram increase	DEF	AT	2
7930 / 7830	DEF AT transported shelf fauna	DEF	AT	2
7990 / 7884	DEF AT local marker foram increase	DEF	AT	2
8440 / 8294	DEF AT local marker foram increase	DEF	AT	2
8800 / 8619	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	2
9370 / 9134	POS AT transported shelf fauna	DEF	AT	2
9669 / 9406	DEF AT Upper Pliocene (Piacenzian) Cyclammina sp.	DEF	AT	3
9670 / 9407	DEF AT Upper Pliocene (Piacenzian) Arenaceous fauna	DEF	AT	3
9759 / 9487	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF	AT	3
9760 / 9488	DEF AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF	AT	3
10990 / 10600	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF	AT	3
11290 / 10873	DEF AT - - - - -	DEF	IN	3
11770 / 11308	DEF AT Arenaceous fauna (local marker)	DEF	AT	3
12100 / 11608	DEF AT unconformity	DEF	IN	3
12159 / 11662	DEF AT Cyclammina cancellata (local marker)	DEF	AT	5
12160 / 11663	DEF AT Arenaceous fauna (local marker)	DEF	AT	5
12250 / 11744	DEF AT unconformity	DEF	AT	5
12490 / 11961	DEF AT transported shelf fauna	DEF	AT	5
12520 / 11989	DEF AT unconformity	DEF	AT	5
12909 / 12341	DEF AT transported outer shelf facies	DEF	AT	5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 366	Date of Summary: 16-APR-2009	First Sample Examined: 7000
Lease Number: G27025	Source of Paleo: OPERATOR	Borehole MD: 13677
Well Name: A003	Paleo Done By: PALEO SOURCE	Borehole TVD: 13033
API Well Number: 177014041100	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS INC	Rkb Elevation: 120
Paleo Report Num: 1 of 2	Sample Range: 7000 - 13677	Water Depth: 78
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
12910 / 12342	DEF AT local marker foram increase	DEF AT 5
12940 / 12369	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 5
13270 / 12667	DEF AT unconformity	DEF AT 5
13677 / 13033	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 366	Date of Summary: 24-JUN-2009	First Sample Examined: 10000
Lease Number: G27025	Source of Paleo: OPERATOR	Borehole MD: 13677
Well Name: A003	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13033
API Well Number: 177014041100	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS INC	Rkb Elevation: 120
Paleo Report Num: 2 of 2	Sample Range: 10000 - 13677	Water Depth: 78
Public Info Code: Y 19-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
10000 / 9706	DEF AT first sample examined	DEF AT 3
10390 / 10056	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 3
10510 / 10164	POS AT maximum flooding surface	DEF AT 3
10690 / 10327	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
11170 / 10764	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
11890 / 11417	DEF AT - - - - -	DEF AT 4
11920 / 11444	POS AT maximum flooding surface	DEF AT 4
12310 / 11799	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
12910 / 12342	POS AT maximum flooding surface	DEF AT 4
13240 / 12640	POS AT maximum flooding surface	DEF AT 4
13677 / 13033	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 370	Date of Summary: 21-MAY-2001	First Sample Examined: 0
Lease Number: G21553	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9458
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7500
API Well Number: 177014031900	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 78
Public Info Code: Y 09-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6500 / 5386	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8230 / 6604	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 370	Date of Summary: 12-SEP-2001	First Sample Examined: 0
Lease Number: G21553	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7212
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 6900
API Well Number: 177014032200	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 24-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5600 / 5360	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
5900 / 5645	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 370	Date of Summary: 22-MAY-2001	First Sample Examined: 0
Lease Number: G21553	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7777
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 6600
API Well Number: 177014032300	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 06-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6450 / 5433	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
6700 / 5650	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 370	Date of Summary: 21-MAY-2001	First Sample Examined: 0
Lease Number: G21553	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7963
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 6700
API Well Number: 177014032400	Drilling Operator: WESTPORT OIL AND GAS COMPANY LP	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 77
Public Info Code: Y 23-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6650 / 5388	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
7000 / 5738	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 371	Date of Summary: 29-JAN-2010	First Sample Examined: 5450
Lease Number: G33056	Source of Paleo: OPERATOR	Borehole MD: 11194
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 10200
API Well Number: 177014041300	Drilling Operator: CENTURY EXPLORATION NEW ORLEANS INC	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 5450 - 11194	Water Depth: 80
Public Info Code: Y 23-AUG-2010	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity table available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5450 / 4978	DEF AT first sample examined	DEF AT 2
5451 / 4979	POS IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 2
5600 / 5102	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 2
5750 / 5227	DEF AT local marker benthic foram increase	DEF AT 3
5930 / 5376	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 3
6770 / 6074	DEF AT transported shelf fauna	DEF AT 3
7610 / 6773	DEF AT Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT 3
7850 / 6977	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 3
8569 / 7626	POS AT unconformity	DEF IN 3
8570 / 7627	POS AT Upper Miocene (Messinian) Textularia "X"	DEF IN 3
8930 / 7971	POS AT unconformity	DEF AT 4
8960 / 8000	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 4
9380 / 8415	POS AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 4
9740 / 8774	POS IN Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF AT 5
10279 / 9307	POS AT unconformity	DEF AT 5
10280 / 9308	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
10730 / 9750	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
11194 / 10200	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 489	Date of Summary: 17-NOV-2005	First Sample Examined: 6354
Lease Number: G24760	Source of Paleo: OPERATOR	Borehole MD: 15142
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13137
API Well Number: 177024134301	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 6354 - 15140	Water Depth: 142
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
6354 / 6354	DEF AT first sample examined	DEF AT 2
6610 / 6610	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7359 / 7357	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
7360 / 7358	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7540 / 7538	DEF AT - - - - -	DEF AT 4
8540 / 8533	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
8900 / 8882	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
8959 / 8938	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
8960 / 8939	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9289 / 9246	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
9290 / 9247	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9499 / 9434	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
9500 / 9435	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
9620 / 9542	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9680 / 9595	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
9770 / 9673	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9830 / 9725	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT 6
10610 / 10314	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
10640 / 10334	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
10820 / 10450	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
11569 / 10903	POS AT salt weld	DEF AT 6
11570 / 10903	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT 6

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 489	Date of Summary: 17-NOV-2005	First Sample Examined: 6354
Lease Number: G24760	Source of Paleo: OPERATOR	Borehole MD: 15142
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13137
API Well Number: 177024134301	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 6354 - 15140	Water Depth: 142
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14540 / 12761	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
14750 / 12895	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
14960 / 13024	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
15140 / 13136	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 499	Date of Summary: 05-MAR-2001	First Sample Examined: 0
Lease Number: G15104	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9647
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 7900
API Well Number: 177024126800	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 105
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 165
Public Info Code: Y 27-SEP-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5253 / 4878	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 504	Date of Summary: 08-FEB-2000	First Sample Examined: 0
Lease Number: G02006	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 6080
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 5534
API Well Number: 177024058001	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 111
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 147
Public Info Code: Y 27-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4240 / 3885	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
5612 / 5111	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 504	Date of Summary: 26-FEB-1999	First Sample Examined: 0
Lease Number: G16201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9874
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 6679
API Well Number: 177024119700	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 153
Public Info Code: Y 29-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4940 / 3516	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 504	Date of Summary: 23-DEC-1998	First Sample Examined: 0
Lease Number: G16201	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8714
Well Name: B006	Paleo Done By: OPERATOR	Borehole TVD: 6591
API Well Number: 177024122200	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 153
Public Info Code: Y 02-DEC-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5620 / 4472	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 538	Date of Summary: 28-MAR-2001	First Sample Examined: 0
Lease Number: G02551	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12077
Well Name: A007	Paleo Done By: OPERATOR	Borehole TVD: 11544
API Well Number: 177024068201	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 186
Public Info Code: Y 27-JAN-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6710 / 6356	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
10486 / 10081	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 540	Date of Summary: 28-AUG-1998	First Sample Examined: 0
Lease Number: G15110	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12265
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 10651
API Well Number: 177024120700	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 127
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 185
Public Info Code: Y 12-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11670 / 10115	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 567	Date of Summary: 13-MAY-2004	First Sample Examined: 7980
Lease Number: G24765	Source of Paleo: OPERATOR	Borehole MD: 12248
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12243
API Well Number: 177024132200	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 7980 - 12240	Water Depth: 201
Public Info Code: Y 22-OCT-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone		
7980 / 7979	DEF AT first sample examined	POS	AT	3
8040 / 8039	POS IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	3
8760 / 8759	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	AT	4
9480 / 9477	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	4
9690 / 9687	DEF AT faunal change (no faunal increase)	DEF	AT	3
10560 / 10556	DEF AT faunal change (no faunal increase)	DEF	AT	4
10830 / 10826	DEF AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF	AT	4
12240 / 12235	DEF AT last sample examined	DEF	AT	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 598	Date of Summary: 13-JAN-1998	First Sample Examined: 5330
Lease Number: G17815	Source of Paleo: OPERATOR	Borehole MD: 10851
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9809
API Well Number: 177024117700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 5330 - 10850	Water Depth: 256
Public Info Code: Y 15-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
5330 / 5048	DEF AT first sample examined	POS AT 3
5331 / 5049	DEF AT cement	POS AT 3
5600 / 5277	DEF AT local marker benthic foram increase	DEF AT 3
5660 / 5328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
5930 / 5556	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
6920 / 6387	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
7670 / 7012	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
7970 / 7261	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
8000 / 7286	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
8030 / 7311	DEF AT local marker benthic foram increase	DEF AT 3
8090 / 7362	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
9290 / 8393	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 3
9620 / 8689	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
9740 / 8798	POS AT Upper Pliocene (Gelasian) Bolivina imporcata / "P"	DEF AT 3
9859 / 8905	DEF AT pyrite	DEF AT 4
9860 / 8906	DEF AT local marker benthic foram increase	DEF AT 4
10850 / 9808	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 598	Date of Summary: 23-FEB-1998	First Sample Examined: 0
Lease Number: G17815	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9811
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9373
API Well Number: 177024118601	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 260
Public Info Code: Y 22-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7032 / 6839	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7344 / 7116	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8826 / 8464	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 617	Date of Summary: 26-MAY-1998	First Sample Examined: 3930
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9670
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7926
API Well Number: 177024120500	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3930 - 9660	Water Depth: 299
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone		
3930 / 3669	DEF AT first sample examined	POS	AT	3
4500 / 4099	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
6120 / 5348	DEF AT sample gap top	POS	AT	3
6210 / 5417	DEF AT sample gap bottom	DEF	AT	3
6510 / 5642	DEF AT sample gap top	POS	AT	3
6660 / 5754	DEF AT sample gap bottom	DEF	AT	3
9150 / 7583	DEF AT faunal change (no faunal increase)	DEF	AT	2
9660 / 7919	DEF AT last sample examined	DEF	AT	2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 617	Date of Summary: 26-MAY-1998	First Sample Examined: 3930
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9670
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7926
API Well Number: 177024120500	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3930 - 9660	Water Depth: 299
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3930 / 3669	DEF AT first sample examined	DEF AT
3931 / 3670	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9660 / 7919	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 617	Date of Summary: 30-APR-1998	First Sample Examined: 3500
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9907
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8732
API Well Number: 177024120100	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3500 - 9890	Water Depth: 299
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3510 / 3510	DEF AT first sample examined	POS AT 3
4190 / 4190	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
8780 / 8062	DEF AT - - - - -	DEF AT 2
9890 / 8729	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WC 617	Date of Summary: 30-APR-1998	First Sample Examined: 3510
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9907
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8732
API Well Number: 177024120100	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3510 - 9890	Water Depth: 299
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
3510 / 3510	DEF AT first sample examined	DEF AT
4040 / 4040	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9890 / 8729	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 39	Date of Summary: 18-DEC-1998	First Sample Examined: 0
Lease Number: G16469	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10700
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10700
API Well Number: 177194066000	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
3200 / 3200	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8580 / 8579	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9110 / 9109	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 58	Date of Summary: 18-MAY-2001	First Sample Examined: 0
Lease Number: 00146	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12491
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 11400
API Well Number: 177194068600	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 101
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 09-MAR-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11585 / 10613	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 58	Date of Summary: 07-JUL-2000	First Sample Examined: 0
Lease Number: 00146	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12536
Well Name: E002	Paleo Done By: OPERATOR	Borehole TVD: 11528
API Well Number: 177194068800	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 24-JUN-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10550 / 10074	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 58	Date of Summary: 21-NOV-2000	First Sample Examined: 0
Lease Number: 00146	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11931
Well Name: E003	Paleo Done By: OPERATOR	Borehole TVD: 11079
API Well Number: 177194069400	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 22-NOV-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10515 / 10015	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 59	Date of Summary: 28-FEB-2000	First Sample Examined: 0
Lease Number: G16473	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13994
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12819
API Well Number: 177194068000	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 31-DEC-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10940 / 10605	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13600 / 12515	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 59	Date of Summary: 03-OCT-2001	First Sample Examined: 0
Lease Number: G16473	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14435
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 13277
API Well Number: 177194069500	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 30-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11482 / 11351	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 61	Date of Summary: 19-APR-1999	First Sample Examined: 0
Lease Number: G03186	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15069
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12793
API Well Number: 177194066400	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 08-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12815 / 11353	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 63	Date of Summary: 17-MAR-2000	First Sample Examined: 0
Lease Number: G19839	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14308
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13920
API Well Number: 177194067501	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 136
Public Info Code: Y 27-AUG-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9997	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12050 / 11949	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
13890 / 13550	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 63	Date of Summary: 13-JUN-2001	First Sample Examined: 0
Lease Number: G19839	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14535
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13810
API Well Number: 177194067701	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 136
Public Info Code: Y 06-OCT-2009	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10000 / 9992	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
12300 / 12070	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT
14190 / 13564	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 65	Date of Summary: 05-FEB-1998	First Sample Examined: 0
Lease Number: G01082	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4034
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 2923
API Well Number: 177194065400	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 02-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2054 / 2050	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3503 / 2918	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 109	Date of Summary: 20-FEB-2000	First Sample Examined: 9015
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 12390
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 12238
API Well Number: 177194068300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 9015 - 12205	Water Depth: 132
Public Info Code: Y 18-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 11045=local Textularia articulata zone, 11845=W-fauna, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9015 / 8944	DEF AT first sample examined	DEF IN 2
9016 / 8945	DEF IN Lower Pliocene (Zancian) Buliminella 1	DEF IN 2
9075 / 9001	DEF AT Lower Pliocene (Zancian) Sigmoilina "P" / cf. schlumbergeri	DEF IN 3
9135 / 9057	DEF AT Turtle Grass fauna = Amphistegina Mound	POS IN 3
9165 / 9085	DEF AT local marker foram decrease	DEF AT 3
9195 / 9114	DEF AT faunal change (no faunal increase)	DEF IN 2
9255 / 9170	DEF AT drilling material	DEF IN 2
9585 / 9479	POS AT Arenaceous fauna (local marker)	DEF IN 2
9805 / 9685	DEF AT limestone	DEF IN 2
10014 / 9883	DEF AT turbid water facies	DEF IN 2
10015 / 9884	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF IN 2
10485 / 10340	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 2
10494 / 10349	DEF AT pyrite	DEF IN 2
10495 / 10350	DEF AT shell fragments	DEF IN 2
10855 / 10704	DEF AT shell fragments	DEF IN 2
11095 / 10944	DEF IN Upper Miocene (Messinian) Textularia "X"	DEF IN 2
11155 / 11004	DEF AT shell fragments	DEF IN 2
11485 / 11333	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF IN 2
11515 / 11363	DEF AT drilling material	POS IN 2
11545 / 11393	DEF AT faunal change (no faunal increase)	DEF IN 2
11695 / 11543	DEF AT turbid water facies	POS IN 2
11755 / 11603	DEF AT Arenaceous fauna (local marker)	DEF IN 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WD 109	Date of Summary: 20-FEB-2000	First Sample Examined: 9015
Lease Number: G02937	Source of Paleo: OPERATOR	Borehole MD: 12390
Well Name: 007	Paleo Done By: OPERATOR	Borehole TVD: 12238
API Well Number: 177194068300	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 9015 - 12205	Water Depth: 132
Public Info Code: Y 18-MAR-2010	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
11845 / 11693	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
11874 / 11722	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
11875 / 11723	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
11964 / 11812	DEF AT limestone	DEF IN 3
11965 / 11813	DEF AT Arenaceous fauna (local marker)	DEF IN 3
12025 / 11873	DEF AT reworked material	DEF AT 3
12055 / 11903	DEF AT local marker foram decrease	DEF AT 4
12115 / 11963	DEF AT faunal change (no faunal increase)	DEF AT 3
12175 / 12023	DEF AT Arenaceous fauna (local marker)	DEF AT 3
12205 / 12053	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 30	Date of Summary: 30-JAN-2002	First Sample Examined: 9690
Lease Number: G20261	Source of Paleo: OPERATOR	Borehole MD: 22881
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22857
API Well Number: 608124000600	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 9690 - 16020	Water Depth: 6566
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9690 / 9690	DEF AT first sample examined	DEF AT 5
9840 / 9840	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10620 / 10620	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
13830 / 13827	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
14760 / 14755	POS AT out-of-place section	DEF AT 5
14761 / 14756	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
14820 / 14815	DEF AT salt	DEF AT 5
16020 / 16011	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block:	WR 30	Date of Summary:	30-JAN-2002	First Sample Examined:	9690
Lease Number:	G20261	Source of Paleo:	OPERATOR	Borehole MD:	22881
Well Name:	001	Paleo Done By:	PALEO-DATA, INC.	Borehole TVD:	22857
API Well Number:	608124000600	Drilling Operator:	MARATHON OIL COMPANY	Rkb Elevation:	83
Paleo Report Num:	2 of 2	Sample Range:	9690 - 16020	Water Depth:	6566
Public Info Code:	Y 31-JUL-2008	Ecozone Eq MMS:		Paleo ID:	002

Remark: Calcareous nannofossil report, mixed coccolith assemblages from 13860 to 14440, and from 14550 to 14760, from 15330, mixed Late Miocene flora to 15420, well was drilled to a depth of 28043 but samples were not analyzed below 16020, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
9690 / 9690	DEF AT first sample examined	DEF AT
9750 / 9750	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
12570 / 12569	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
13620 / 13618	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
13860 / 13857	DEF AT out-of-place section	DEF AT
14550 / 14546	DEF AT out-of-place section	DEF AT
14760 / 14755	DEF IN salt	DEF AT
15330 / 15323	DEF AT out-of-place section	DEF AT
16020 / 16011	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 30	Date of Summary: 08-FEB-2008	First Sample Examined: 21540
Lease Number: G20261	Source of Paleo: OPERATOR	Borehole MD: 26382
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24211
API Well Number: 608124000603	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 21540 - 26382	Water Depth: 6566
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
21540 / 20044	DEF AT first sample examined	DEF AT 5
21541 / 20045	DEF IN base of salt	DEF AT 5
21542 / 20046	DEF IN out-of-place section	DEF AT 5
21870 / 20264	POS AT sequence boundary	DEF AT 5
22290 / 20542	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
23250 / 21242	POS AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
23279 / 21265	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 5
23280 / 21266	POS AT maximum flooding surface	DEF AT 5
23999 / 21884	POS AT maximum flooding surface	DEF AT 5
24000 / 21885	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
24030 / 21912	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
24540 / 22385	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24570 / 22414	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
25290 / 23119	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25340 / 23169	POS AT maximum flooding surface	DEF AT 5
25510 / 23339	POS AT sequence boundary	DEF AT 5
25889 / 23718	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25890 / 23719	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
25920 / 23749	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
26370 / 24199	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 5
26382 / 24211	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 155	Date of Summary: 17-JAN-2008	First Sample Examined: 23149
Lease Number: G18649	Source of Paleo: OPERATOR	Borehole MD: 24485
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 23412
API Well Number: 608124002800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 23149 - 24350	Water Depth: 5906
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
23149 / 22249	DEF AT first sample examined	DEF AT
23150 / 22250	DEF IN salt	DEF AT
23269 / 22353	POS IN out-of-place section	DEF AT
23270 / 22354	POS IN local marker floral increase	DEF AT
23299 / 22379	POS IN Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23300 / 22380	POS IN Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
24158 / 23127	DEF AT local marker planktic foram increase	DEF AT 4
24159 / 23128	POS AT Lower Cretaceous (Aptian) Ticinella bejaouaensis	DEF AT 4
24160 / 23129	POS AT Lower Cretaceous (Aptian) Hedbergella sigali	DEF AT 4
24199 / 23163	DEF AT limestone	DEF AT 4
24200 / 23164	DEF AT local marker floral increase	DEF AT 4
24288 / 23240	DEF AT local marker planktic foram increase	DEF AT 4
24289 / 23241	POS AT Upper Cretaceous (Cenomanian) Favusella washitensis	DEF AT 4
24290 / 23242	POS AT Lower Cretaceous (Albian) Ticinella roberti	DEF AT 4
24350 / 23294	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 155	Date of Summary: 31-MAR-2008	First Sample Examined: 18990
Lease Number: G18649	Source of Paleo: OPERATOR	Borehole MD: 28512
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27582
API Well Number: 608124002801	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 18990 - 28512	Water Depth: 5882
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18990 / 18618	DEF AT first sample examined	DEF AT
18991 / 18618	DEF IN salt	DEF AT
22680 / 22173	DEF AT out-of-place section	DEF AT 5
22730 / 22223	DEF AT - - - - -	DEF AT 4
22820 / 22313	DEF AT - - - - -	DEF AT 5
23000 / 22493	DEF AT - - - - -	DEF AT 4
23300 / 22793	DEF AT - - - - -	POS AT 3
23390 / 22883	DEF AT - - - - -	DEF AT 5
23450 / 22943	DEF AT - - - - -	POS AT 5
23690 / 23183	DEF AT - - - - -	DEF AT 3
23810 / 23303	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 4
23870 / 23363	DEF AT - - - - -	DEF AT 5
23897 / 23390	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 5
23898 / 23391	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 5
23899 / 23392	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
23900 / 23393	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
23930 / 23423	POS IN Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 5
23960 / 23453	DEF AT - - - - -	DEF IN 5
24020 / 23513	DEF AT - - - - -	DEF AT 5
24140 / 23633	DEF AT - - - - -	DEF AT 4
24500 / 23993	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT 4
24680 / 24173	POS AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 155	Date of Summary: 31-MAR-2008	First Sample Examined: 18990
Lease Number: G18649	Source of Paleo: OPERATOR	Borehole MD: 28512
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27582
API Well Number: 608124002801	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 18990 - 28512	Water Depth: 5882
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24710 / 24203	DEF AT out-of-place section	DEF AT 4
25008 / 24499	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 4
25009 / 24500	DEF AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 4
25010 / 24501	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 4
25245 / 24732	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
25246 / 24733	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT 5
25247 / 24734	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
25248 / 24735	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
25249 / 24736	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
25250 / 24737	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
25400 / 24882	POS AT Lower Oligocene (Rupelian) Discoaster nodifer	DEF AT 5
25490 / 24967	POS AT Lower Oligocene (Rupelian) Reticulofenestra hampdenensis	DEF AT 5
25610 / 25080	POS AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT 5
25699 / 25161	POS AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
25700 / 25162	POS AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
25730 / 25190	DEF IN Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
25758 / 25215	POS AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
25759 / 25216	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
25760 / 25217	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
25790 / 25244	POS AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5
25850 / 25297	POS AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF AT 5
25880 / 25324	POS AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
25910 / 25350	POS AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
25940 / 25376	DEF AT radiolarians	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 155	Date of Summary: 31-MAR-2008	First Sample Examined: 18990
Lease Number: G18649	Source of Paleo: OPERATOR	Borehole MD: 28512
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 27582
API Well Number: 608124002801	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 18990 - 28512	Water Depth: 5882
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
26629 / 25968	POS AT Lower Eocene (Ypresian) Toweius crassus	DEF AT 5
26630 / 25968	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
26660 / 25994	POS AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT 5
26750 / 26072	POS AT Upper Paleocene (Thanetian) Chiasmolithus bidens	DEF AT 4
27080 / 26355	DEF AT - - - - -	DEF AT 5
27200 / 26458	DEF AT - - - - -	POS AT 4
27620 / 26818	POS AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	POS AT 4
27860 / 27024	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	POS AT 4
28010 / 27153	DEF AT - - - - -	DEF AT 4
28250 / 27358	POS AT out-of-place section	POS AT 4
28400 / 27486	DEF AT radiolarians	POS AT 5
28430 / 27512	POS AT out-of-place section	POS AT 5
28488 / 27562	DEF AT Upper Cretaceous (Maastrichtian) Micula prinsii (FAD)	DEF AT
28489 / 27563	DEF AT Upper Cretaceous (Maastrichtian) Micula murus (FAD)	DEF AT
28490 / 27563	DEF AT Upper Cretaceous (Maastrichtian) Watznaueria barnesae (FAD)	DEF AT
28512 / 27582	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 24900
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 24900 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Chuck Prospect, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
24900 / 24567	DEF AT first sample examined	POS AT 5
24930 / 24595	DEF AT - - - - -	DEF AT 5
25005 / 24666	DEF AT - - - - -	POS AT 5
25109 / 24765	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	POS AT 5
25110 / 24766	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	POS AT 5
25200 / 24851	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS AT 5
25230 / 24879	DEF AT pyrite	POS AT 5
25440 / 25075	DEF AT - - - - -	DEF AT 4
25560 / 25187	POS AT Arenaceous fauna (local marker)	POS AT 5
25619 / 25241	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
25620 / 25242	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25709 / 25323	DEF AT pyrite	DEF AT 4
25710 / 25324	POS AT local marker planktic foram increase	DEF AT 4
26010 / 25594	DEF AT pyrite	DEF AT 4
26070 / 25647	DEF AT - - - - -	POS AT 4
26220 / 25779	DEF AT - - - - -	DEF AT 5
26729 / 26217	DEF AT foram flood	DEF AT 5
26730 / 26217	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26759 / 26242	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
26760 / 26243	DEF AT Lower Miocene (Burdigalian) Discorbis bolivarensis	DEF AT 5
26850 / 26318	DEF AT pyrite	DEF AT 4
27458 / 26826	DEF AT pyrite	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 24900
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 24900 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
27600 / 26945	DEF AT reworked material	DEF AT 4
27630 / 26970	DEF AT reworked material	DEF AT 5
27660 / 26995	DEF AT Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
27690 / 27020	DEF AT sand	POS AT 5
28260 / 27496	DEF AT - - - - -	DEF AT 5
28740 / 27895	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
29610 / 28618	DEF AT local marker planktic foram increase	DEF AT 6
29640 / 28643	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
29700 / 28693	DEF AT - - - - -	DEF AT 5
30240 / 29143	POS AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF AT 5
30480 / 29340	DEF AT - - - - -	POS AT 5
30690 / 29511	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	POS AT 5
30900 / 29683	DEF AT - - - - -	DEF AT 5
31049 / 29805	DEF AT radiolarians	DEF AT 6
31050 / 29806	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 6
31110 / 29854	DEF AT radiolarians	DEF IN 6
31140 / 29879	DEF AT radiolarians	DEF AT 7
31170 / 29903	DEF AT Middle Eocene (Bartonian) Truncorotaloides topilensis	DEF IN 6
31199 / 29926	DEF AT Middle Eocene (Lutetian) Morozovella aragonensis	DEF AT 6
31200 / 29927	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF AT 6
31260 / 29976	DEF AT radiolarians	DEF AT 6
31290 / 30001	DEF AT - - - - -	DEF IN 6
31320 / 30025	DEF AT - - - - -	DEF AT 6
31350 / 30050	DEF AT radiolarians	DEF AT 7

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 24900
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 24900 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
31380 / 30074	DEF AT - - - - -	DEF IN 6
31410 / 30099	DEF AT - - - - -	DEF AT 6
31440 / 30124	DEF AT radiolarians	DEF AT 7
31470 / 30148	DEF AT - - - - -	POS AT 7
32840 / 31282	DEF AT radiolarians	POS AT 7
33513 / 31845	DEF AT last sample examined	POS AT 7

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block:	WR 278	Date of Summary:	01-FEB-2008	First Sample Examined:	13100
Lease Number:	G18675	Source of Paleo:	OPERATOR	Borehole MD:	33513
Well Name:	001	Paleo Done By:	APPLIED BIOSTRATIGRAPHIX	Borehole TVD:	31845
API Well Number:	608124002500	Drilling Operator:	DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation:	86
Paleo Report Num:	2 of 2	Sample Range:	13100 - 33513	Water Depth:	6475
Public Info Code:	Y 09-SEP-2008	Ecozone Eq MMS:		Paleo ID:	002

Remark: Chuck Prospect, calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
13100 / 13100	DEF AT first sample examined	DEF AT
13101 / 13101	DEF IN salt	DEF AT
14940 / 14940	DEF AT sample gap top	DEF AT
24899 / 24566	DEF AT sample gap bottom	DEF AT
24900 / 24567	DEF AT out-of-place section	DEF AT
24930 / 24595	POS IN Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
25170 / 24823	POS IN Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
25380 / 25020	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
25920 / 25514	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
25980 / 25567	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
26010 / 25594	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT
26190 / 25753	DEF AT local marker floral increase	DEF AT
26490 / 26013	DEF AT reworked material	DEF AT
26940 / 26394	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
27240 / 26644	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
27750 / 27070	DEF AT Lower Miocene (Aquitania) Cyclocargolithus abisectus	DEF AT
27840 / 27145	DEF AT Lower Miocene (Aquitania) Sphenolithus dissimilis	DEF AT
28020 / 27295	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT
28140 / 27396	DEF AT reworked material	DEF AT
28409 / 27620	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT
28410 / 27621	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
28740 / 27895	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 13100
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 13100 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
28830 / 27970	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
29490 / 28517	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
29610 / 28618	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
29790 / 28768	DEF AT local marker floral increase	DEF AT
30030 / 28969	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT
30090 / 29019	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
30450 / 29315	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT
30600 / 29438	DEF AT Lower Oligocene (Rupelian) Reticulofenestra hillae	DEF AT
30690 / 29511	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT
30750 / 29560	DEF AT Lower Oligocene (Rupelian) Ismolithus recurvus	DEF AT
30900 / 29683	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT
30960 / 29732	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT
31050 / 29806	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT
31079 / 29829	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT
31080 / 29830	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF AT
31170 / 29903	DEF AT local marker floral increase	DEF AT
31320 / 30025	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	DEF AT
31350 / 30050	DEF AT Lower Eocene (Ypresian) Tribachiatus orthostylus	DEF AT
31410 / 30099	DEF AT Lower Eocene (Ypresian) Chiasmolithus californicus	DEF AT
31440 / 30124	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT
31499 / 30172	DEF AT Lower Eocene (Ypresian) Toweius crassus	DEF AT
31500 / 30173	DEF AT Lower Eocene (Ypresian) Tribachiatus contortus	DEF AT
32270 / 30805	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF AT
32510 / 31004	DEF IN Upper Paleocene Thanetian Stage	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 278	Date of Summary: 01-FEB-2008	First Sample Examined: 13100
Lease Number: G18675	Source of Paleo: OPERATOR	Borehole MD: 33513
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 31845
API Well Number: 608124002500	Drilling Operator: DEVON ENERGY PRODUCTION COMPANY LP	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 13100 - 33513	Water Depth: 6475
Public Info Code: Y 09-SEP-2008	Ecozone Eq MMS:	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
32810 / 31257	DEF AT local marker floral increase	DEF AT
32840 / 31282	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF AT
33513 / 31845	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block:	WR 371	Date of Summary:	06-MAY-2008	First Sample Examined:	19886
Lease Number:	G18701	Source of Paleo:	OPERATOR	Borehole MD:	30596
Well Name:	001	Paleo Done By:	PALEO-DATA, INC.	Borehole TVD:	28867
API Well Number:	608124003000	Drilling Operator:	ANADARKO PETROLEUM CORPORATION	Rkb Elevation:	91
Paleo Report Num:	1 of 1	Sample Range:	19886 - 30596	Water Depth:	6284
Public Info Code:	Y 21-JUL-2008	Ecozone Eq MMS:	Y	Paleo ID:	001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

MD / TVD	Paleo Top Description	Ecozone
19886 / 19283	DEF AT first sample examined	DEF AT 5
19887 / 19284	DEF IN base of salt	DEF AT 5
19888 / 19285	DEF IN out-of-place section	DEF AT 5
20150 / 19518	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21050 / 20324	DEF IN Lower Pliocene (Zancian) Reticulofenestra pseudumbilica	DEF AT 5
21140 / 20404	POS AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT 5
21440 / 20673	POS IN Lower Pliocene (Zancian) Siphotextularia jugosa / "J"	DEF AT 5
21679 / 20887	DEF AT Lower Pliocene (Zancian) Ceratolithus acutus	DEF AT 5
21680 / 20888	DEF AT Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 5
21770 / 20969	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
23119 / 22175	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
23120 / 22176	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
23600 / 22605	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
23690 / 22686	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
24159 / 23106	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
24160 / 23107	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
24219 / 23160	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24220 / 23161	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25180 / 24022	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25359 / 24181	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
25360 / 24182	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25840 / 24612	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperata	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 371	Date of Summary: 06-MAY-2008	First Sample Examined: 19886
Lease Number: G18701	Source of Paleo: OPERATOR	Borehole MD: 30596
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28867
API Well Number: 608124003000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 19886 - 30596	Water Depth: 6284
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
26170 / 24908	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
26200 / 24934	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26349 / 25068	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT 5
26350 / 25069	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnos	DEF AT 5
26380 / 25095	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26500 / 25203	POS AT Lower Miocene (Burdigalian) Discoaster calcosus (increase)	DEF AT 5
26560 / 25256	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
26680 / 25363	DEF AT out-of-place section	DEF AT 5
26710 / 25390	POS AT reworked material	DEF AT 5
26769 / 25443	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
26770 / 25444	DEF AT Lower Miocene (Aquitania) Cyclicargolithus abisectus	DEF AT 5
27190 / 25823	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT 5
27340 / 25956	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
27390 / 26001	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
27400 / 26010	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
27490 / 26089	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
27520 / 26115	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27550 / 26142	POS AT Lower Oligocene (Rupelian) Nonion struma	DEF AT 5
27670 / 26248	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
27760 / 26328	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
28180 / 26706	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
28198 / 26722	DEF IN Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
28299 / 26813	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
28300 / 26814	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 371	Date of Summary: 06-MAY-2008	First Sample Examined: 19886
Lease Number: G18701	Source of Paleo: OPERATOR	Borehole MD: 30596
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28867
API Well Number: 608124003000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 19886 - 30596	Water Depth: 6284
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
28328 / 26839	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
28329 / 26840	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
28330 / 26841	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
28359 / 26867	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
28360 / 26868	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
28510 / 27003	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
28538 / 27028	DEF AT radiolarians	DEF AT 5
28580 / 27066	POS AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
29140 / 27565	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
29160 / 27583	DEF AT radiolarians	DEF AT 5
29530 / 27913	POS AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT 5
30596 / 28867	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 425	Date of Summary: 01-JAN-2001	First Sample Examined: 11605
Lease Number: G16987	Source of Paleo: OPERATOR	Borehole MD: 25109
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25099
API Well Number: 608124000500	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 11605 - 25109	Water Depth: 8835
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 18620=Reticulofenestra gelida

MD / TVD	Paleo Top Description	Ecozone
11605 / 11604	DEF AT first sample examined	DEF AT
11606 / 11605	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
11607 / 11606	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
11780 / 11779	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
12950 / 12948	DEF AT reworked material	DEF AT
13550 / 13548	DEF AT reworked material	DEF AT
13850 / 13848	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
15410 / 15408	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
15411 / 15409	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
15470 / 15468	DEF AT reworked material	DEF AT
15560 / 15558	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
15561 / 15559	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
16280 / 16278	DEF AT reworked material	DEF AT
16370 / 16368	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16430 / 16428	POS AT Upper Pleistocene (Ionian) Gephyrocapsa caribbeanica (flood)	DEF AT
16520 / 16518	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
16940 / 16938	DEF AT reworked material	DEF AT
17240 / 17238	DEF IN Middle Pleistocene (Ionian) Gephyrocapsa margerelli	DEF AT
17360 / 17358	DEF AT reworked material	DEF AT
17629 / 17627	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17630 / 17628	DEF AT Upper Pliocene (Gelasian) Calcidiscus macintyre (increase)	DEF AT
17631 / 17629	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 425	Date of Summary: 01-JAN-2001	First Sample Examined: 11605
Lease Number: G16987	Source of Paleo: OPERATOR	Borehole MD: 25109
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25099
API Well Number: 608124000500	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 11605 - 25109	Water Depth: 8835
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
17660 / 17658	DEF AT reworked material	DEF AT
17690 / 17688	POS AT reworked material	DEF AT
17900 / 17898	POS AT reworked material	DEF AT
17930 / 17928	POS AT reworked material	DEF AT
17960 / 17958	POS AT reworked material	DEF AT
18020 / 18018	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
18080 / 18078	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
18200 / 18198	DEF AT reworked material	DEF AT
18201 / 18199	POS AT Upper (Late) Eocene	DEF AT
18410 / 18408	DEF AT reworked material	DEF AT
18411 / 18409	POS AT Upper (Late) Eocene	DEF AT
18560 / 18558	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18590 / 18588	DEF AT reworked material	DEF AT
18620 / 18618	DEF AT local marker floral increase	DEF AT
18650 / 18648	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
19250 / 19248	DEF AT reworked material	DEF AT
19310 / 19308	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
19460 / 19458	DEF AT local marker floral increase	DEF AT
19790 / 19788	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
19820 / 19818	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20000 / 19998	DEF AT reworked material	DEF AT
20390 / 20388	DEF AT local marker floral increase	DEF AT
20480 / 20478	DEF AT local marker floral increase	DEF AT
20540 / 20538	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 425	Date of Summary: 01-JAN-2001	First Sample Examined: 11605
Lease Number: G16987	Source of Paleo: OPERATOR	Borehole MD: 25109
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25099
API Well Number: 608124000500	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 11605 - 25109	Water Depth: 8835
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
20541 / 20539	DEF AT local marker floral increase	DEF AT
20600 / 20598	DEF AT local marker floral increase	DEF AT
20810 / 20808	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
20960 / 20958	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
20961 / 20959	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF AT
20990 / 20988	DEF AT reworked material	DEF AT
21050 / 21048	DEF AT reworked material	DEF AT
21410 / 21408	DEF AT reworked material	DEF AT
21770 / 21768	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF AT
21800 / 21798	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF AT
22280 / 22278	DEF AT local marker floral increase	DEF AT
22510 / 22508	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
22730 / 22728	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
22910 / 22908	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF AT
23000 / 22998	DEF AT local marker floral increase	DEF AT
23090 / 23088	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
23330 / 23328	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23390 / 23388	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
23720 / 23717	DEF IN Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
23750 / 23747	DEF AT Middle Miocene (Langhian) Helicosphaera mediterranea	DEF AT
23780 / 23777	DEF AT local marker floral increase	DEF AT
23900 / 23897	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
24200 / 24197	DEF AT Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
24259 / 24256	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 425	Date of Summary: 01-JAN-2001	First Sample Examined: 11605
Lease Number: G16987	Source of Paleo: OPERATOR	Borehole MD: 25109
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25099
API Well Number: 608124000500	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 1 of 2	Sample Range: 11605 - 25109	Water Depth: 8835
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS:	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
24260 / 24257	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF AT
24290 / 24287	DEF AT reworked material	DEF AT
24470 / 24466	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT
24530 / 24526	DEF AT reworked material	DEF AT
24590 / 24585	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF AT
24680 / 24675	DEF IN Lower Miocene (Aquitanian) Cyclicargolithus abisectus	DEF AT
24830 / 24823	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus (increase)	DEF AT
24860 / 24853	DEF AT local marker floral increase	DEF AT
24889 / 24881	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
24890 / 24882	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT
25010 / 25001	DEF AT local marker floral increase	DEF AT
25100 / 25090	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF AT
25109 / 25099	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 425	Date of Summary: 01-FEB-2001	First Sample Examined: 11605
Lease Number: G16987	Source of Paleo: OPERATOR	Borehole MD: 25109
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25099
API Well Number: 608124000500	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 11605 - 25109	Water Depth: 8835
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 11605=at or above Globorotalia inflata, 18710=Orbulina universa flood, 21770=Clavatorella bermudezi, 24320=Cassigerinella chipolensis, 24620=Chilostomelloides oviformis

MD / TVD	Paleo Top Description	Ecozone
11605 / 11604	DEF AT first sample examined	POS AT 4
11606 / 11605	DEF IN Holocene Globorotalia inflata	DEF AT 4
11780 / 11779	DEF AT local marker foram increase	DEF AT 4
11810 / 11809	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
11870 / 11869	DEF AT - - - - -	DEF AT 4
12080 / 12079	DEF AT - - - - -	POS AT 4
14510 / 14508	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
14990 / 14988	DEF AT - - - - -	POS AT 4
15380 / 15378	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF AT 5
15530 / 15528	DEF AT local marker foram increase	DEF AT 5
15950 / 15948	DEF AT - - - - -	POS AT 5
16520 / 16518	POS AT local marker planktic foram increase	DEF AT 5
16550 / 16548	DEF AT - - - - -	POS AT 5
17150 / 17148	DEF AT local marker planktic foram increase	DEF AT 4
17629 / 17627	DEF AT local marker planktic foram increase	DEF AT 5
17630 / 17628	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
17750 / 17748	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
18169 / 18167	DEF AT local marker planktic foram increase	DEF AT 5
18170 / 18168	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
18410 / 18408	DEF AT - - - - -	POS AT 5
18680 / 18678	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 425
Lease Number: G16987
Well Name: 002
API Well Number: 608124000500
Paleo Report Num: 2 of 2
Public Info Code: Y 31-JAN-2011

Date of Summary: 01-FEB-2001
Source of Paleo: OPERATOR
Paleo Done By: APPLIED BIOSTRATIGRAPHIX
Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC
Sample Range: 11605 - 25109
Ecozone Eq MMS: Y

First Sample Examined: 11605
Borehole MD: 25109
Borehole TVD: 25099
Rkb Elevation: 83
Water Depth: 8835
Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
18710 / 18708	DEF AT foram flood	DEF AT 5
18770 / 18768	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
18890 / 18888	DEF AT - - - - -	POS AT 5
19130 / 19128	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
19250 / 19248	POS AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
19610 / 19608	DEF AT - - - - -	POS AT 5
19760 / 19758	DEF AT - - - - -	DEF AT 4
20000 / 19998	POS IN Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4
20120 / 20118	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20540 / 20538	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
20599 / 20597	DEF AT limestone	DEF AT 4
20600 / 20598	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
20900 / 20898	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21140 / 21138	POS AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
21260 / 21258	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 4
21470 / 21468	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 4
21648 / 21646	POS AT unconformity	DEF AT 6
21649 / 21647	DEF AT foram flood	DEF AT 6
21650 / 21648	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 6
21710 / 21708	DEF AT Bathysiphon fauna	DEF AT 6
21770 / 21768	DEF AT local marker (general)	DEF AT 6
21800 / 21798	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
21860 / 21858	DEF AT - - - - -	DEF AT 5
22100 / 22098	DEF AT - - - - -	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 425	Date of Summary: 01-FEB-2001	First Sample Examined: 11605
Lease Number: G16987	Source of Paleo: OPERATOR	Borehole MD: 25109
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 25099
API Well Number: 608124000500	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 83
Paleo Report Num: 2 of 2	Sample Range: 11605 - 25109	Water Depth: 8835
Public Info Code: Y 31-JAN-2011	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
22220 / 22218	DEF AT local marker planktic foram increase	DEF AT 4
22640 / 22638	DEF AT Arenaceous fauna (local marker)	DEF AT 4
22880 / 22878	DEF AT local marker foram increase	DEF AT 4
23420 / 23418	DEF AT local marker foram increase	DEF AT 4
23510 / 23507	POS AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 5
23600 / 23597	DEF AT - - - - -	DEF AT 4
24080 / 24077	DEF AT local marker foram increase	DEF AT 4
24200 / 24197	DEF AT Lower Miocene (Aquitanian) Globorotalia kugleri	DEF AT 4
24320 / 24317	DEF AT local marker (general)	DEF AT 4
24440 / 24436	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 4
24590 / 24585	DEF AT local marker foram increase	DEF AT 5
24620 / 24615	DEF AT local marker (general)	DEF AT 5
24890 / 24882	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 6
24891 / 24883	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 6
25109 / 25099	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 678	Date of Summary: 23-JAN-2001	First Sample Examined: 17040
Lease Number: G21245	Source of Paleo: OPERATOR	Borehole MD: 20300
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 20266
API Well Number: 608124000400	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 17040 - 20300	Water Depth: 7036
Public Info Code: Y 20-DEC-2010	Ecozone Eq MMS:	Paleo ID: 001

Remark: St Malo Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17040 / 17013	DEF AT first sample examined	DEF AT
20240 / 20206	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
20300 / 20266	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 848	Date of Summary: 04-APR-2008	First Sample Examined: 15300
Lease Number: G20403	Source of Paleo: OPERATOR	Borehole MD: 28842
Well Name: WR001	Paleo Done By: OPERATOR	Borehole TVD: 28842
API Well Number: 608124002600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15300 - 28842	Water Depth: 7657
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
15300 / 15300	DEF AT first sample examined	DEF AT 6
15359 / 15359	DEF AT Middle Pleistocene (Ionian) Sphaeroidinella dehiscens (acme)	DEF AT 6
15360 / 15360	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
15390 / 15390	DEF AT Middle Pleistocene (Ionian) Gephyrocapsa caribbeanica (increase)	DEF AT 6
16289 / 16289	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 6
16290 / 16290	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT 6
18080 / 18080	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT 6
18180 / 18180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 6
19227 / 19227	DEF AT condensed section	DEF AT 6
19228 / 19228	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 6
19229 / 19229	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT 6
19230 / 19230	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 6
19319 / 19319	DEF AT Lower Pliocene (Zanclean) Sphenolithus abies	DEF AT 6
19320 / 19320	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudoumbilica	DEF AT 6
19350 / 19350	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 6
19500 / 19500	DEF AT Lower Pliocene (Zanclean) Dictyococcites antarcticus	DEF AT 6
19530 / 19530	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
19620 / 19620	DEF AT Upper Miocene (Messinian) Discoaster variabilis (downdip)	DEF AT 6
19800 / 19800	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
20340 / 20340	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
20370 / 20370	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
20400 / 20400	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 848	Date of Summary: 04-APR-2008	First Sample Examined: 15300
Lease Number: G20403	Source of Paleo: OPERATOR	Borehole MD: 28842
Well Name: WR001	Paleo Done By: OPERATOR	Borehole TVD: 28842
API Well Number: 608124002600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15300 - 28842	Water Depth: 7657
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
20760 / 20760	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
20790 / 20790	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
21000 / 21000	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
21629 / 21629	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF IN 5
21630 / 21630	DEF AT Middle Miocene (Serravallian) Discoaster musicus	DEF IN 5
21660 / 21660	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
21810 / 21810	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
21990 / 21990	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF IN 5
22439 / 22439	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
22440 / 22440	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
22590 / 22590	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
22740 / 22740	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus (increase)	DEF IN 5
22920 / 22920	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF IN 5
23010 / 23010	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
23040 / 23040	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 5
23340 / 23340	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (increase)	DEF IN 5
23520 / 23520	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 5
23639 / 23639	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
23640 / 23640	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
23850 / 23850	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF IN 5
23880 / 23880	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF IN 5
24210 / 24210	DEF AT Lower Miocene (Burdigalian) Discoaster callosus (increase)	DEF IN 5
24239 / 24239	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF IN 5
24240 / 24240	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 848	Date of Summary: 04-APR-2008	First Sample Examined: 15300
Lease Number: G20403	Source of Paleo: OPERATOR	Borehole MD: 28842
Well Name: WR001	Paleo Done By: OPERATOR	Borehole TVD: 28842
API Well Number: 608124002600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15300 - 28842	Water Depth: 7657
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
24930 / 24930	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus challenger	DEF IN 5
24960 / 24960	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF IN 5
25050 / 25050	DEF AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF IN 5
25110 / 25110	DEF AT Upper Oligocene (Chattian) Ericsonia fenestrata	DEF IN 5
25140 / 25140	DEF AT Upper Oligocene (Chattian) Sphenolithus delphix	DEF IN 5
25350 / 25350	DEF AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF IN 5
25380 / 25380	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF IN 5
25410 / 25410	DEF AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF IN 5
25770 / 25770	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF IN 5
25920 / 25920	DEF AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF IN 5
26070 / 26070	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
26160 / 26160	DEF AT Lower Oligocene (Rupelian) Sphenolithus pseudoradians	DEF IN 5
26190 / 26190	DEF AT local marker floral increase	DEF IN 5
26580 / 26580	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF IN 5
26639 / 26639	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5
26640 / 26640	DEF AT Lower Oligocene (Rupelian) Globigerina ampliapertura	DEF IN 5
26700 / 26700	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF IN 5
26760 / 26760	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF IN 5
26820 / 26820	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF IN 5
26850 / 26850	DEF AT Upper Eocene (Priabonian) Globigerinatheka tropicalis / mexicana	DEF IN 5
27148 / 27148	DEF AT floral flood	DEF IN 5
27149 / 27149	DEF AT Middle Eocene (Bartonian) Pemma papillatum	DEF IN 5
27150 / 27150	DEF AT Middle Eocene (Bartonian) Pemma basquensis	DEF IN 5
27210 / 27210	DEF AT condensed section	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008
End Date: 02-FEB-2011

Area Block: WR 848	Date of Summary: 04-APR-2008	First Sample Examined: 15300
Lease Number: G20403	Source of Paleo: OPERATOR	Borehole MD: 28842
Well Name: WR001	Paleo Done By: OPERATOR	Borehole TVD: 28842
API Well Number: 608124002600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 15300 - 28842	Water Depth: 7657
Public Info Code: Y 10-AUG-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
27268 / 27268	DEF AT Middle Eocene (Bartonian) Pemma balium	DEF AT 4
27269 / 27269	DEF AT Middle Eocene (Bartonian) Morozovella lehneri	DEF AT 4
27270 / 27270	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 4
27300 / 27300	DEF AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 4
27360 / 27360	DEF AT Middle Eocene (Bartonian) Chiasmolithus solitus	DEF AT 4
27420 / 27420	DEF AT Middle Eocene (Bartonian) Chiasmolithus gigas	DEF AT 4
27450 / 27450	DEF AT radiolarians	DEF AT 4
27508 / 27508	DEF AT unconformity	DEF AT 4
27509 / 27509	DEF AT local marker floral decrease	DEF AT 4
27510 / 27510	DEF AT local marker foram decrease	DEF AT 4
27570 / 27570	POS AT Lower Eocene-Upper Paleocene Wilcox Group/Provincial Stage	POS AT 4
27628 / 27628	POS AT maximum flooding surface	POS AT 4
27629 / 27629	DEF AT Lower Eocene (Ypresian) Tribrachiatus contortus	POS AT 4
27630 / 27630	DEF AT Lower Eocene (Ypresian) Morozovella acuta	POS AT 4
28520 / 28520	POS AT maximum flooding surface	POS AT 4
28530 / 28530	DEF AT Arenaceous fauna (local marker)	POS AT 4
28740 / 28740	POS IN Upper Paleocene (Thanetian) Fasciculithus tympaniformis	POS AT 4
28842 / 28842	DEF AT last sample examined	POS AT 4

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